

1989

M. Stanback

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M. Formicivorus

1989 Babies

H.N.H.R

		ID	Band	Age	Natal	Fled	Hem	
49	w	1684	513		CVI	Bian	50, 48	DBF
48.6	G	1685	"		CVI	Bian	50, 48, 49, 49, 47	
51.5	M	1686	"		CVI	Bian	50.5, 52.5	
39.25	K	1689	517	M	BKOK	Pipe	40, 39, 40, 38	
38.4	P	1690	517	X F	Pipe	Pipe	38.5, 39, 37.5, 39, 38	
40.9	Y	1691	517	X F	Blm I	Pipe	42, 43, 39, 41.5, 39	
51	O	1692	519	F	Bian	Blm I	50, 50, 51, 51, 53	
44.8	G	1693	519	M	Pipe	Blm I	47, 43, 44, 45, 45	
54.8	W	1694	519		Faar	Blm I	55, 53, 54, 54, 56	
51.9	(2) B	1695	520		CV2	BUCK	52, 51.5, 51, 53, 52	
59	O	1696	520	F	BUCK	BUCK	60, 59, 58	
52.25	P	1697	520	F	BUCK	BUCK	52, 53, 52.5, 51.5	
49.33	-	1699	520	M	FAAR	FAAR	49.5, 49, 49.5	
50.2	Y	1700	520		Pipe	FAAR	49, 49, 50, 50, 53	
46.17	P	1701	520	M? M	Blm I	FAAR	45, 46, 47.5	
54.5	M	1702	520	M?	CV2	BKOK	52, 53, 58.5	
55	P	1703	520	F	BUCK	BKOK	54, 55, 53, 58	
52.8	Y	1704	520	F	CV2	BKOK	52, 53, 54, 52, 53	
33		1705	528		SHC		33, 33	bled on 504
41		1706			SHC		44, 38	
37.5		1707			SHC		35, 40	
33		1708			SHC		34, 32	
52.75	O	1709			Aviar	MCFL	59, 58, 47, 47	(?)
41.8	P	1710			Aviar	MCFL	42, 41, 40, 43, 43	
47.8	W	1711			Aviar	MCFL	50, 45, 45, 52, 47	
48.2	K	1712		M	Pipe	MCFL	47, 45, 54, 50(46), 45	(44)

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1989 Babies

HNHR

		ID		Band	Age	Natal	Fled	Hem
	57.5	-	1713	522	R M	Big T	PHF	57, 58
	died 34.5	P	1714	522		PHF	Big T	35.5, 35.5, 34, 34, 33.5
2	44.8	-	1715	"		BKOK	Big T	44, 44, 45.5, 44.5, 46
	36.1	B	1716	"		Big T	Big T	36, 36, 36.5, 36, 36
	35.5	Y	1717	"		UAZ	Big T	35, 36.5, 35, 35.5
	42.7	G	1718	522	F	PHF	UAZ	43, 43.5, 42, 43, 42
	40.2	W	1719	"		UAZ	UAZ	38, 41, 40, 41, 41
	48	(2) K	1720	"	M	Big T	UAZ	52, 48, 44
	38.83	-	1721	where'd	F	UAZ	Big T	40, 39, 37, 40, 39, 38
	45.4	M	1722	523		Plge	LHay	45, 45, 46, 45.5, 45.5
	51.5	W	1723	"	F	McFI	LHay	49, 52, 51, 54, 60?
	47.8	P	1724	"	M	Big T PHF	LHay	47, 48, 47, 47, 50
	47	G	1725	"		CVI	LHay	47
	49.5	Y	1726	"		UAZ PHF	LHay	50, 48, 49 ⁽⁴⁸⁾ , 51, 62?
	49.75	PG	1727	"		Plge	LHay	50, 50(48), 50(48.5), 49(47)
	44	Y	1728	526		CECN	PLQE	47, 43, 41, 46, 43
	50.2	SA	1729	"	M	CECN	Plge	49, 50, 53, 44?, 55
	48.4	MR	1730	"	F	LHay	Plge	47, 50, 51, 46, 48
	49.1	B	1731	"	F	McFI	Plge	50, 47.5, 52, 48, 48
	1744 from WGR 48	-	1732	"	F	Plge	Plge	44, 51, 46, 52, 47
	48.8	E	1733	"	M	Plge	Plge	55, 48, 46, 46, 49(47.5)
	41.7	O	1734	528		CECN	CECN	43, 42.5, 42, 40, 41
	40.8	W	1735	"		LHay	CECN	42, 39, 40, 43, 40
	(2) 41.9	P	1736	"		LHay	CECN	43, 42, 40.5, 43, 41
	43.5	G	1737	"		McFI	CECN	43, 43, 44, 44
O	41.3	Y	1738	"		PHF	CECN	42, 42.5, 40(39), 41, 41

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M. Formicivorus1989 BabiesH/NHR

band

		ID	Bandat	Age	Natal	Fleg	Hem
43.5		1740	528		WGrat	WGrat	44, 43
40.25		1741	" F		"	"	40, 40.5
46		1742	" M		"	"	48, 46, 44, 46
46.17		<u>1743</u>	"		"	"	47, 46, 45.5
56	G	1744	529		CVGR	PLGE EVER	56, 54, 58
52.4	P	1745	" M		CVGR	CVGR	51, 50, 54, 56, 51
60.25	K	1746	"		CECN	CVGR	59(58), 60, 64, 58
57.25	Y	1747	" F		CVGR	CVGR	54, 62, 58, 55
52.6	PK	<u>1748</u>	"		CVGR	CVGR	54, 49, 52, 50, 58
55.8		1749	601 F		LA2	LA2	54, 58(57), 57, 55(53) ⁵⁵ (52)
53.4		1750	"		"	"	52, 57, 53, 54, 51(50)
53.2		1751	"		"	"	53, 57, 52, 51(49), 53(52)
56		<u>1752</u>	"		"	"	54(53), 56(54), 58, 58, 54(53)
55.4		1754	604 M		KONT	KONT	58, 53, 53, 53, 60
57.2		<u>1755</u>	" F		"	"	57, 56, 57, 56, 60
42.2	R	1756	604 M		H-B CHGO	CHGO	43, 42, 42, 42, 42
47.8	R	1757			CHgo	CHgo	46, 46, 48, 52, 47
48.67 OK	N	1758	M		Chgo	Chgo	47, 51, 48
48.5	K	1759	M		Chgo	Chgo	49, 47, 51, 47
50.67	Y	<u>1760</u>	604		H-B CHGO	CHGO	47, 55, 50
45.4	Y	1761	606 F		Gazo	H-B	45.5, 47, 43, 47, 44.5
43.9	O	1762	" M		Gazo	H-B	40.5, 41, 42, 53, 43
42	B-M	1763	"		H-B	H-B	42, 42, 42, 42, 42
45.6	G	1764	" M		Gazo	H-B	47, 46, 43, 45, 47
46.8	P	1765	"		Gazo	H-B	43, 42, 43, 46, 60

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M. Formicivorus

1989 Babies

HNHR

			ID	Bandate	Age	Natal	Fled	Herit
51.2	W		1766	607		H-B	ARSW	43, 59, 45, 58 (?)
48.25	B		1767	"		Chgo	ARSW	48, 51, 68, 48, 46
(61.87)	-		1768	"		ARSW	(1800-eaten) ARSW	55, 71, 65, 56.5
45.4			1769	613	F	Mill	Mill	48, 46, 48, 45, 40
48.2			1770	"	F	Mill	Mill	48, 47, 49, 52, 45
46.67	N		1771	618	F	Gate	Gate	48, 47.5, 44, 47, 47, 46.5
48.7 (2)	-		1772	"		Gate	Gate	48, 48, 49.5, 50, 48(47)
45.6	Y		1773	"		Gate	Gate	44, 46, 45, 46, 47
48.67 (2)	Y		1774	630	M	CVI	CVI	49, 48, 49, 48.5, 48, 49.5(48)
49.63	P		1775	"		"	CVI	50, 50, 49, 49.5
46.5	BG		1776	"		"	CVI	46, 46.5, 47
42.6	G		1777	701	F	CV2	aviary CV2	41, 43, 43, 43, 43
42.8	B		1778	"	M	CV2	CV2	41, 42, 41, 48, 42
41.17	O		1779	703	M	PHFB	PHFB	40, 42, 42.5, 41, 41, 40.5
46.08	B		1780	703	M	PHFB	PHFB	46, 46, 46, 46.5, 45.5, 46.5
48.67	-		1781	703	F (chk band)	CV2	CV2	48, 49, 49, 48.5, 48, 49.5
51.3	R?		1782	703	F	CV2	aviary CV2	49.5, 48, 51, 52.5, 55.5

23 ♂

24 ♀

PP
mm Fadd 1 more ♂
remv 1 ♀

total ♂ 353

52.69% ♂

total ♀ 317

Al. Formosensis
1904

1904

10	Bandage	Age	Weight	Height
1544	603	H-B	18.5	43.2, 42.2, 40.2
1545	"	C-0	18.5	43.2, 42.2, 40.2
1546	-	H-B	18.5	43.2, 42.2, 40.2
1547	613	F	18.5	43.2, 42.2, 40.2
1548	"	F	18.5	43.2, 42.2, 40.2
1549	618	F	18.5	43.2, 42.2, 40.2
1550	"	F	18.5	43.2, 42.2, 40.2
1551	618	F	18.5	43.2, 42.2, 40.2
1552	"	"	18.5	43.2, 42.2, 40.2
1553	"	"	18.5	43.2, 42.2, 40.2
1554	630	"	18.5	43.2, 42.2, 40.2
1555	"	"	18.5	43.2, 42.2, 40.2
1556	"	"	18.5	43.2, 42.2, 40.2
1557	630	"	18.5	43.2, 42.2, 40.2
1558	"	"	18.5	43.2, 42.2, 40.2
1559	630	"	18.5	43.2, 42.2, 40.2
1560	630	"	18.5	43.2, 42.2, 40.2
1561	630	"	18.5	43.2, 42.2, 40.2
1562	630	"	18.5	43.2, 42.2, 40.2

70.5

27

1387

619

593

593

593

593

593

1989

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M. FormicivorusCHGOHNHRDec 88 Acorn Count : 2250 $\times 200$ uphill = 2550

27 Mar 0830 Hello holes - there seem to be fresh chips under the hole on the backside of the trunk: a good possibility. There's also the hole out on the limb on the backside of the granary.

9 Apr 1400 - 1430 Spy from Buck side of gulley. On arrival 2 birds left a dying tree on this side at the edge of the gulley. No holes tho. Where are the birds. 1445 Check low traditional hole: 2 eggs! a runt & a bigger one. Yippee.

1530 Set up blind. Numbered egg # 1

Roost watch: no one into hole

10 Apr 1730 Numbered egg # 2, removed runt. So there's only one female laying here, tho 2 are present.

11 Apr 1230: 2 new eggs laid - removed both (am nest watch)

12 Apr 1230: " Roost watch 412: 1 bird into hole

" a little more active

13 Apr 0900 " " - removed both. Though they were slightly warm, I put them in the fridge. Thus Chgo incubation begins today.

14 Apr 1200 Only 1 new egg (# T) Bird in hole. Removed blind #1 24.05 x 18.1 (5.2)

#2 23 x 18.95 (5.5)

#T 23.4 x 20.0 (6.22)

18 Apr 1800 Put up a mealworm Feeder on the trunk. No one in hole

19 Apr 1615 No one has touched the mealworms. Bird Flush?

22 Apr 1700 Egg # 2 is dead. Only 1 & T OK. Bird in hole. Mealworms not touched.

1989

M. Starback

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M. FormicivorusCHGOHNHR

23 Apr 0700 : prefeed wts : B (Bian) 6.3 - 1

RL (CVGR D) 5.3 - 1 + ~~10~~ 35 45LL (CVI Z) 5.4 - 1 + ~~10~~ ~~10~~ ~~40~~ 50

Back (Bian 12) died in lab

24 Apr 1730 After Lynn reports no feedings in 3 hrs, I climb to find 3 dead babies. Why? Easiest answer - weather. But maybe it was the sudden appearance of babies (though my experience says this shouldn't matter). Sorry guys. Now, where will they re-nest? Oh, by the way, no one ever touched the mealworms, even as babies starved.

26 Apr 0700 I saved their heads for tissue samples (they've been in the fridge)

1 May pm 2 birds flush from the "new" hole above & on the downhill side. I return later w/ equipment to find... an incomplete hole. Mealworms are still alive, and have not been touched.

5 May 1000 Bird flushed from back hole, but I stick a runt egg into the first hole anyway. Mealworms still alive, well, and untouched.

14 May 1130 Runt egg still in lower hole. Top hole has 7 open eggs! Cut door. Mealworms still there. Was it a "bad" peep on 1 May? There is sort of a dog-leg.

16 May 1130 Should've known - hatched yesterday (but 2 2-day). 1 egg unhatched & dead looking - removed. RL = 9.5
LL = 7 / RW = 10 / LW = 8.8 / B = 3.7 / BW = 4.15

I removed B & BW (24.9 x 18.55) to Gazo (eventually eaten)

1815 Added in RW (12.8) = BW / LL = 12.4 = B / RL = 10.5 = BL From H-B
gave Chgo LL a little food.

1.47

1.96

12 25.4-5 mm

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M. Formicivorus

Chgo

HMR

18 May ¹³⁰⁰ ^{= BW} ^{now} LW = 13.3 / B = 17.4 = P / BL = W = 15.8 / RW = LG = 17.1
 RL = 16 = K / LL = 13.7 = both legs now / BW = 18.4 = Y

21 May 1800 Y = ~~31.6~~ 31.6 (12.1) / G = 30 (12) / P = 33.4 (12.75) /
 W = 27.4 (11.15) / K = 29.1 (11.55) / Legs = 27.4 (11.9) = DB

wings = 24.8 (10.85) = KPN

26 May ¹⁶³⁰ P 57 17.05 3.1 2

Y 58.8 15.95 3.9 1 2

G 58.8 16 3.6 2

DB 53 16.4 1+

N 51.5 14.65 1.8

K 53.2 15.5 3

W 49.3 15.25 1+ Gee, maybe I should put em in ARSW

* * Group Update * 5313 disap 890301 ± 1M, 1618
 disap 881220 ± 5W.

Chgo 1 June ⁰⁶¹⁵ B 75.5 20.35 13 16.5 44 tail shot (rem to ARSW)

H.B P 75.5 20.42 20 26 54 (2)

C K 73.5 19 19.5 24 50.5

N 73 18.1 20 22.7 49

G 76.5 19.4 21.7 28 54

H.B Y 73.3 19.3 20.5 27.5 55.5

H.B W 68 19.15 17 19 45.5 (rem to ARSW)

a log uphill has @ 200 holes in it,

4 June ¹⁴³⁰ P 84 21.9 24 45.5 14.5 = 1756

G 84.5 20.6 25.5 47 17 = 1757

N 82.5 19.5 25.5 42 17 = 1758

K 82.2 20.55 25 43 11.5 = 1759

Y 82.5 20.85 25 46.5 17 = 1760

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M. FormicivorusChgoHNHR

✓ Y	1760	0815	RWR	80	89.5	21.8	24.5	62	18.5	G
✓	1756		MP	84.9	87	23	25	59.5	15.4	Mv
✓	1759		RBM	83.1	83.5	20.85	27	57.4	18	Y
✓	1757		GB	85.5	88.5	21.2	29	62	22	P
✓	1757		NK	83	86	22.05	26.5	58.1	15	K stripe

26 Sept am Donna reports serious Fight between 1110 (BM) and 1739 (presumed helper ♂) 1110 was very dominant, driving 1739 into a hole, etc. Now, when 1739 was banded on 28 May, he was molting, had a brood patch (r had a culmen of 32.2) - none of these signify a Fer-sure helper. Could he be an adult ♂ that was allowed to join the group by singleton ♂ 1110? DNA will tell!

* * Group Update * Despite the above weirdness, all the BUCK ♀♀ went back home - and took all the Chongo Acorns with them. So are the Chgo birds gone for good? Probably, but we didn't say so in the newest Fieldlist. NOBA ♂ "5314" was never seen (or before) that one time at the nest; I don't think it was a group member, but as of now he disappeared 890620 ± 2w. 1757 890620 2w. NSAB 1760 890620 ± 2w NSAB

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M. Formicivorus

CHGO

HNHR

25 May 0900 7.35, 7.05, 5.5

(1991)

23 Apr 1430 Birds here. At least 1. (Spy from PLAN)

1530 1 come up to census, wait 45 min, & quit.

28 Apr 1200 ~~Staff~~ Staff several hundred pieces of dog food into granary. Maybe that will make for an easier census.

29 Apr 0930 Three birds are here Flycatching. No ID's - was spying from Buck.

1 May pm Danny censuses. Sees: 1665, 1729, & 1607 Birds into 90 hole.

2 May 1000 1 peep 90 hole - empty.

4 May 1700 Bird in hole. Peep - empty.

6 May 1300 Danny reports no eggs

8 May 1000 No eggs in either hole. The chips in the 90 hole seem to have shit on top of them. The "traditional" hole has chips + shit.

10 May 1140 Both holes empty. I'm having serious doubts.

14 May 1500 " " 3 birds here on arrival.

21 May Danny reports empty

7 June Walt reports hatchlings. One on way out (so backweight it)

14 June 1700 DB = $35.5 (13.4) / 5 = 43 (14.4) / \bar{W} = 48 (14.1)$

Added more dog food - they were out.

chgo	w	B		
607	12.6	12	7.2	2.8
611	32.8	30.1	23.9	
me 614				

1989

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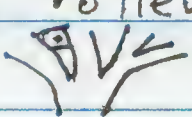
M. FormicivorusBUCKHNHR

Dec 88 Acorn Count : 6700

* * Group Update * 1395 disap 881101 \pm 2W, 1397 disap 881012 \pm 1W, 1398 disap 881101 \pm 2W, 1399 disap 881101 2W

19 Mar 0820 - 0840 Watched Buck From below PLAN. No one went near the 88 hole. One bird looked in another hole once, but it didn't seem serious.

22 Mar 0710 - 0725. Spied From Plan - nothing

23 Mar 1500 - 1515. Spied From Plan. At one point a bird sat at (but didn't look in) a high rotten hole in the central part of the tree . But once I thought I saw a bird go to the 88 hole and once I thought I saw a bird leaving.

24 Mar 1330 Got ladder up & checked hole - empty. And full of bird shit - not even close to being ready - tho I'm not convinced this is the only hole. On the ground under the hole Lynn found the mummy of the Banx ♂, who had disap in Oct \pm 1 wk.

9 Apr 1345 'Hello holes - nada. A suspicious Flush from a lowish but inaccessible hole on the uphill side of the tree (dead branch) Hello BANX - nada

13 Apr 0635 - 0645 Spy. I saw a bird look into that dead hole that I saw a bird look into weeks ago (and that I think I saw a bird Flush from on 9 Apr

15 Apr Last evening Lynn reported birds at a different hole. I went up this am (0900) and found bird in a hole. I climbed, sawed open, and found 5 Fresh eggs. (#1-5) See drawing on back. A rope climb!

155

156

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19

1911. 2. 2nd - 1911. 2. 19



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25 Apr 0800 Climb + Find 2 babies and 1 egg pipping. Another egg had its pointy end mashed in considerably and had died. No sign of the 5th egg. RL = 5.65, LL = 4.75

26 Apr 1715 Did I remove the mashed egg? I think I did. Because 2 day I found an egg w a mashed end (#2) in the back (way) of the nest. Well, a couple of hours makes a big difference RL = 10.8, LL = 11.5, the new kid = 5.5, and I also added in RLW (Chongo), who is about the same (small) size

27 Apr 0630 I removed the Chongo Kid (remarked RWB) and the small Buck Kid^(LWB) and took them to CVZ. RWB was scrawny so I Fed him.

1100 Added the FAAR baby. But, I guess I don't trust the data, since I think the baby box all but killed him. ~~Too~~ Too hot? Bumpy? He was red & perky before, and pale & limp 15 minutes later. Sht. RL = 11.6, LL = 11.0.

28 Apr 0900 RL = 0 = 15.4 (7.6), LL = P = 13.9 (8.45). FAAR gone

2 May 0715 P = 32.3 (12.65) / Q = 33.2 (12.2)

6 May 1730 P = 58.5 (14.8) 7, 4.3 Added in B From BKOK
O = 61.9 (16) 5.3, 5

15 May 1100 B 80.5 20.25 22.3 37.5 18 24 63 (2)

O 82.5 19.4 25 47 24 31 76

P 75 19.1 25 50 22 33 77

20 May 0830 B 86 23.1 26 65 18.5 41.5 91 1695

O 81.5 21.55 29 75.5 30 48.5 102 1696

P 78 21.15 24.5 75.5 25 51 100 1697

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M. Formicivorus

BUCK

HNR

(20 May) 1695 = blue

1696 = pink

1697 = yellow (+ orange chin)

6 Sept 0655 - 0955 Census: all the birds I saw I saw

repeatedly: 987, 665, 1475, 1477, 1478, 1624, 1625, 1626, 1696 (a ♀: just changing), 1697 (also ♀).

Saw ♂ KM (maybe $\frac{KM}{KW(N)YO}$) not on Fieldlist = 1398

Saw ♂ KWN YO not on Fieldlist = 1399

They are busy storing acorns, even though they still have alot left over from last year.

Idea! Remove BM, let ♀♀'s set dom hier & get hormones

* * Group Update * All the helper ♀♀ her took up residence at Chgo temporarily, but after about 1 wk they all returned - bringing Chgo's acorns with them. None of this in computer. 1695 ^{NSAB} 890614 ± 1w. 1398 & 1399 returned 890800.

19 60
~~20~~
21 70
23 50
25 40

1990

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M. FormicivorusBUCKHNHR

- 7 Mar I don't even want to talk about it. Ambush. Bird bled 3 hours after capture. HF 1697. 66.5g 142 (25.8 culmen) 79.2 tail. Hcrit 52, 52, 51
- 20 Mar Ambush: 2 in 88 nest hole (665, 1398). 8 in the "pole hole" uphill.

1045 2 birds to tree

1047 drumming in another tree

1048 " " "

1100 Played power struggle tape 1 minute. 4 birds to tree. Ate acorns

1125 Philip arrives w his tape, put in at 1127^{garrick}

1135 start drumming section

1144 start drum + garrick (stop 1150)

1150 start power struggle tape. It's 1 minute long - I played it intermittently until 12:20. ~~At~~ At

12:23 5 birds showed up & started eating acorns. Eventually left. I call it quits at 12:35. Remove nets

#	ID	Mass	Chor	Culm	Tail	Hcrit
---	----	------	------	------	------	-------

1398	70.5	138	30.2	79	59, 60, 61, 59
------	------	-----	------	----	----------------

665	80	147	30.8	80	70, 65, 64, 67, 63
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1478	68	141	28.5	78	63, 61, 64
------	----	-----	------	----	------------

1626	71	144	27.1	86	64.5, 65, 62, 64, 64, 66
------	----	-----	------	----	--------------------------

987	73	139	28	76	63 ⁶³ 65 62 ⁶³ 58 ⁵⁸ 62 ⁶² 58 ⁵⁷
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1696	72	145	28	79	68 65 58
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1624	69	144	27.4	79	63 65 64 64 62 63 62 63 64 65
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1990

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59 56 59 55 57 60

(20 Mar) 1476 73 139 29 81 59 55 57 58
 1399 72 137 29.2 73 59 59 60 58 59 ⁶² 59
 1475 67 134 29.3 74 58 61 59 60

Philip put radios on 1398,

4 May 1600 R toe = 7.4, - = 7.2, 2 inf. eggs

(1991)

19 Apr 1330 - 1350. Watched from below PLAN. At least 4 birds here. 3 visits to hole A (see reverse) and one to 1990 nest hole (in for several minutes)

1500 Climbed 90 hole. Has shit in bottom. No nest here.

The other hole (A) has no bottom. Strike Two.

23 Apr 1400 - 1430. Saw 2 visits to hole A, also ~~several~~ 2 birds left tree by flying S. At 1415 there must have been an alarm call, for 3 birds dashed to the 90 hole. Before this they had been together on the dead trunk, working away at one spot (a new hole?). Saw several dominance interactions. No action after the dash.

1435 Back to life: 5 birds (4 From 90 hole?)

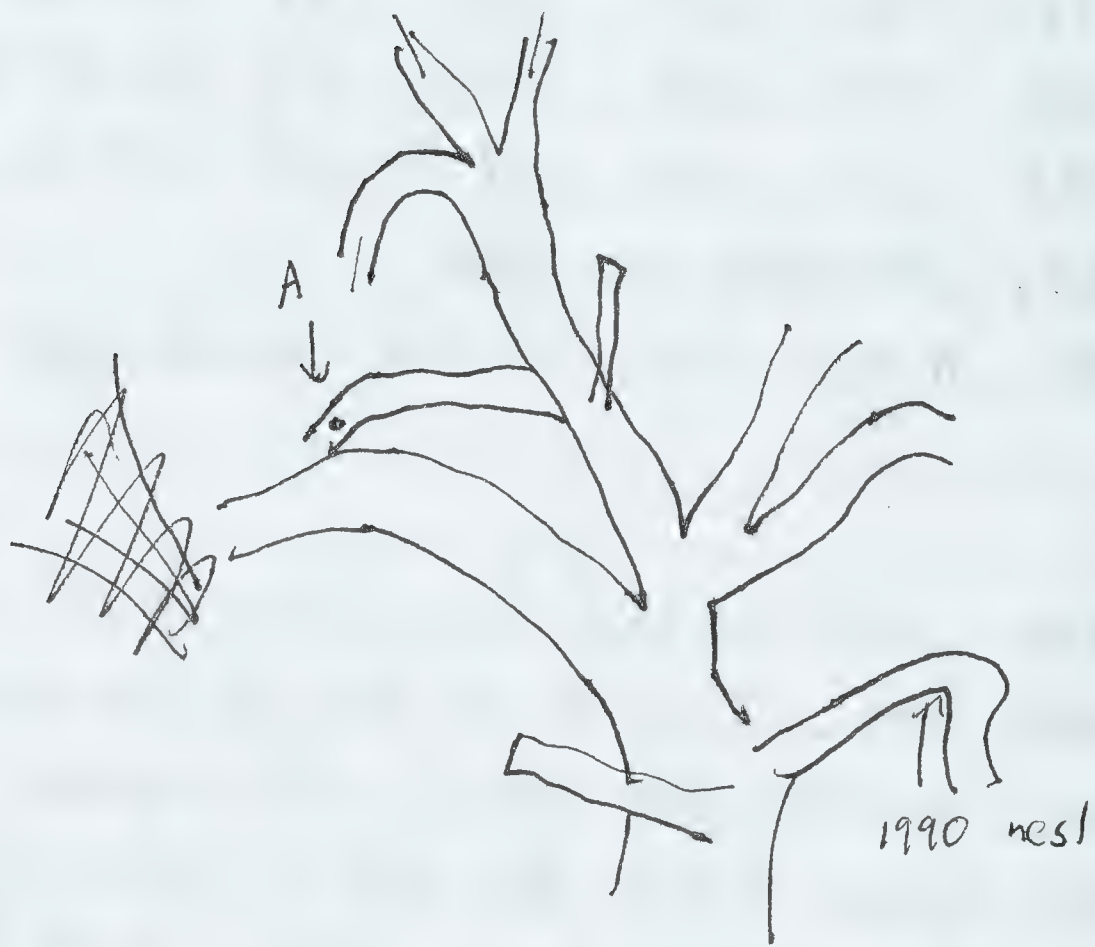
24 Apr 1600 What the hell, I climbed 90 hole again (bird in hole on arrival), but still shitty!

26 Apr 1400 - 1445 Birds absent most of the time. Did see one suspicious flight toward (blocked by leaves) "traditional" hole. 1 visit to hole A.

29 Apr 0815 - 0915. Set blind & watched. Nothing!

1 May Roger sees 7 1697 $\frac{PL(N)}{m} \frac{Mr}{w}$, ♂ $\frac{B-G}{m}$, ♂ $\frac{B}{m} = 1831?$

also 987
665



views From downhill

1991 M. Stanback

3

M. Formicivorus

BUCK

HNHR

2 May 1435 - 1445. Spy. Bird into 90 hole. Here we go again! Climbed. Empty but in good shape. 2 birds pushed from hole upon arrival.

6 May 1800 climb. Empty. Bird in hole on arrival.

9 May 1730 " " " " " " ~~Some~~

Acorns missing from MacGranary

12 May 1030 Still empty. No one in hole.

16 May 1000 " "

19 May 1130 Caught ♂ 1398 at "semi" power struggle at Plge. 67.5 g (139 h) 30.85 bill, 76 tail. I think Philip will put a radio on it.

21 May 1700 Empty! Even though there was a bird in the hole!

18 June Roger reports ♂ 1476, ♂ $\frac{K-YN}{m} / \frac{WO}{R} =$, unk ♀, Hmn

(Roger saw $\frac{mO}{YO LB}$ (1696?) on 910308

Roger saw ♂ $\frac{B-G}{m}$, ♂ $\frac{B}{m}$ (1831) on 910501)

July Ambush in the pole hole. 3 esc, catch 665 (for DNA)

1830 Set up medium feeder

1989

M. Stanback

1

M. FormicivorusPLQEHNHR

Dec 88 Acorn Count : 6000

18 Mar am. Lynn reports 521 to high hole in 2° tree
Another bird also visited this hole.

pm. Lynn reports bird in high hole.

19 Mar 0830 Saw 1403 at PLAN; he went to r looked
in the platform hole. Another ♂ (maybe not from
Plge) was at PLAN proper.27 Mar 0740-0800 Spy. 1 bird went to the 88 hole. Looked
in, then moved on. Several startling intrusions -
dif responses - sometimes chased - sometimes ignored.29 Mar 1200 Bird in 88 hole (Lynn saw same the other day)
1615 Climb nest (1 bird protests) Fresh chips!2 Apr Walt sets ambushes at low r hi hole. No one to low.
Seems they're roosting in the low road hole. Would've
made a nice nest. C'est la vie. Ambush 2-nite^(3/4)3 Apr 1100 There are birds at PLAN, at least 3, and
I don't think they're PLQE birds.

10 Apr Walt set ambush at hole in creek

13 Apr 0645-0720 watch for nest. ♀ disap twice in the
direction of Griffin's house + lab. Also I saw a
copulation (effective?). At one point the ♀
displaced/chased another ACW, whereupon a br.
towhee did a long midair dog fight.

0930 Thought I saw a bird flush from near 88 hole

14 Apr 0800 ♂ 1530 at Khol (badger snag)

15 Apr 0930, 1000 Bird at 88 hole.

1030 Climb. Egg #1.

1830 Set up mealworm feeder

1938

1938

May 15 - 1938

5. 1938 - 1939

1938 - 1939

1938 - 1939

1938 - 1939

1938 - 1939

1938 - 1939

LW 9
8.4

1989

M. Stanback

2

M. FormicivorusPLQEHVHR

(15 Apr) Roost watch: 3 birds into hole. (Lynn)

16 Apr Egg #2

Roost watch: 2 birds into hole. Though there were
• 3 in there during "pre roost"

17 Apr 1730 Egg #3. Roost watch: 3 birds in.

18 Apr 1700 Egg #4. Roost watch: 1 bird in

19 Apr 1030 #5.

30 Apr 1030 4 babies, egg #5 OK but not pipping yet.

1 May 0815 RL = 6.97 / LL = 5.75 / RW = 7.2 / LW = 8.35 / BW =
runt = 3.7 (removed) ^{to McFI} 1 stuffed LL w Food.

2 May 0815 RL = 9.95 / LL = 8.45 / RW = 10.5 / LW = 11.8

1 gave LL @ 1 g of baby Food (a little less)

1630 1 stole the 2 kids at PHF: RW = 8.4, LW = 9.0

RW is now BW, LW is LWB. I guess I should
Fatten them up some b4 putting them in

3 May 0630 RL = 13 / LL = 10.2 / RW = 13.4 / LW = 15.2 / LWB = 9.3

BW = 8.6. I gave the latter 2 a bit of Food

4 May 1111 RL = 12.5 (9.1) = $\bar{L}P$ / LL = 14.5 / RW = 20 (9.55) = \underline{LG} /LW = 20.4 (10.45) = \underline{K} / LWB = 13 / BW = 12.5. / removed

BW + LWB + took to McFI. BW now BWL

7 May 1545 G = 37.5 (13.3) / K = 38.7 (13.9) / "-" = 28.5 (11.5)

P = 35.3 (12.4). Added in B From LHay.

11 May 1700 B = 44 (14.35) / P = 47.9 (15.2) / G = 55 (16.4) 3 /

" = 43.5 (14.7) / K = 57 (17.1) 2.7

13 May 1500 Removed P, added in all 4 aviary kids (P to LHay)

14 May 0730 Stole back 2 aviary kids.

15 May 0700 Power Struggle !! or so it seems. Low key.
Knoll 79 seen (WOK)

1989

M. Stanback

3

M. FormicivorusPLQEH/NHR

(15 May)

0815

-	53	16.5	6.3	6.3	3	5	-
G	65.8	18.5	10	11	5.5	10	31.5
K	67	19.15	11.7	12.5	5.5	10.5	37.5
B	56.9	16.55	5.8	5.8	2.7	5	-
Y	47.5	16.9	2	2	2.5	2.5	-

19 May

1030

K	40.5	16.25	(1 removed him to CVGR)				
B	73	18.35	19	24.5	9.5	18	51.5
K	78	21.6	21	33.5	12.5	24.8	60.5
G	82	20.9	21.5	31.5	14	24.1	60
Y	69.5	19.1	13.2	13.3	11	-	39
-	68	18.2	16	21.3	9.5	17.5	48.5

I removed K to McF1 & added 2 aviary kids.

20 May

am birds at Plan

1830-1845 watched Plan - nothing


26 May

1350

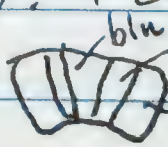
Y	84	22.55	31	50.5	19	35	78	yel
S/G	77	20.35	23.5	31	15.5	25.5	77	pink
MR	74.5	19.9	23.5	39	12	25	66	purp
DB	83	21.1	25.5	64.8	17	42	91	blk
-	82.5	21.05	26.5	63.3	16	42	90	green
LG	93.5	23.65	23	71.2	13.5	49	99	blue

* * Group Update * 1441 disap 890120 \pm 2w

30 May

1100-1120 Watched nest. Only 1 kid had head out it looked like blue  but very faded.

31 May

Added baby 1744 From CVGR into Plge as an experiment (1744 had fallen out of CVGR). I changed his bands to MBP-W and made his forehead  white paint. Lynn & Patti watched the nest. He stuck his



1989

M. Stanback

4

M. FormicivorusPLQEHNHR

(31 May) head out quite a bit (see data sheet) and the adults fed him without hesitation!!

3 June 1630 Saw J 1731 + 1732 (mustive Fledged 2-day)

Beep watch: 1415-1615 : See data sheet.

12 June 1500 climbed + opened nest: no dead bodies.

30 June 1330-1345 $\overline{KR} > \frac{KW}{O} :$, LBR is a loser?

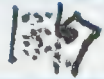
Saw \overline{MN} , saw \overline{ON} feed by \overline{NM}

2 July pm: I noticed yesterday that the door had fallen out, so I climbed 2-day + fixed it.

3 July 0645-0659 Nothin' doin'.

15 July 0945 $\frac{VB}{no}$ baby (w black & band) begging from adult

19 July We've been doing roost watches here: the birds have been slow to re-occupy the missing-door hole.

No one in nest hole. I think birds went to the low-sycamore-by-bridge. There were also birds in that wierd hole that faces the trunk of the granary. 

26 July Plge babies still begging.

18 Sept 1415 Census: Saw ♂ $\frac{YR/M}{LG/B-w(w)}$. Not on Field list. Also sexed some kids. \hookrightarrow ★ (♂ 1403)

7 Oct Ambush! Caught 1733 in the high hole, and then on a whim (thanks Nancy) I plug the bridge hole and catch 5 birds: 521, 973, 1530, 1403, + 1442.

And we thought 1403 was gone! Put radios on 1403 + 1442. \hookrightarrow Lynn saw ♂ $\overline{G/KWN}$ on 890702

So I think 1403 was here all along, but he just didn't help (?).

1989

M. Stanback

5

M. FormicivorusPLQEHNHR

13 Oct Ambush! Caught 5 birds in nest hole (973, 1530, 1403, 1731, 1732) and 1 bird (1529) in the bridge hole. Bled 1731, 1732, 1529. Put 2 10mm testosterone implants into 1403.

19 Oct Ambushed nest hole + high hole, but caught only 1730. Earthquake last night must have scared them out of the holes (I was after 1442)

27 Oct Caught 1729

28 Oct Suzanne Finds radio & feathers of 1442. RIP - must've been a coopers hawk.

30 Oct Ambushed the road hole in the nest tree with the new pole ambusher. Caught 1529 (wt 68), 1730 (75), and 1732 (78). All having been caught recently, I didn't bleed any of them.

3 Nov Ambush in nest hole: 1733. See cap rec. After 2 weeks of ambushing, these guys have headed towards PLAN + are enlarging a hole by Griffin's office. I climbed it yesterday, but it's paper thin. It's very popular now though, I shooed 4 birds out 2:16 pm.

* * Group Update * 1442 died nat causes 28 Oct, 1728 NSAB 890810 \pm 5W, 1744 NSAB 890810 \pm 5W

1990 M. Stanback

M. Formicivorus

PLQE

HNHR

8 Jan 1400 Acorn Count : main granary 1800
2° gran 250
barn 100
T pole 65

* * Group Update * ♂ 521 disap 891031 ± 2W

5 Mar Ambushes have been dangling several days now - Plge birds responding by digging the high office hole deeper (bird working it at 1430)

19 Mar Ambush: 1729:83 (137) 29.6: 72, 65, 70, 68, 71
1732: 79 (141) 27.5: 63, 57, 58, 72, 58, 70
1529: 69 (139) 30.4: 68, 66, 70, 65

30 Apr pm Somethings up. Finch effect Falling apart? Lotsa chasing, a little drumming, a few garricks. Only birds I'd (in 2 hrs) were 973, 1732, ♂ 1403 + ♂ 1733. Hum

(1991)

21 Apr 0830 Somethings up. Drumming, garricking, extra birds (noticed a garrick here yesterday too)
0930 - 1000. Much chasing, garricking. ♀ 973 is garricking & drumming like mad. Also garricking is a NOBA ♀. Seen: ♀ YBR ♀? OLEJO
There's @ 10 birds here. I'll stop by later
1100 - 1400. Nancy census. Plge 1732, 1729, 1665, 973.
Also ♀ 1560 (M/DB-MV), ♂ O/K-W(N) =
♀ K-W(N)/MV = , ♀ 2 DB-MV/DB-MV same? ♂ 4

14 May 1530 Saw 1732, 973

19 May a.m. Somethings up! Saw (NJP):

egg ^o	egg #	egg size	hatch size	label	0	1		
	1	6	4	(LW)	5.46	6	4	
	2	5	3	LL	P	8.56	3	3
	3	4	2	↑ RL	R	8.94	2	17.5
	4	2	1	RW	G	9.94	1	17
	5	3		B	B	6.24	4	9.8
	6	1		BL	-	5.92	5	10

.....

1991

M. Stanback

2

M. FormicivorusPLQEH/VHR

(19 May) Caught ♂ 1398 from Buck. Gave to Philip for radio

29 May Walt reports Plge w 4 Fresh eggs in the traditional hole! Talk about blinders!

8 June 1400 4.7
8.6

9 June 0710, RW = 7.2, LW = 4.25, B = 10.4. Hatching Fresh.

12 June 1230. RW = 19.6 (8.8), B = 22.7 (9.6) = DG

20 June Walt reports nest empty!

21 June 0700 3 birds waking together here (near a 4th?)
I go get scope - then find only ♀ 973.

24 June I see ♀ go to the holes near the malaise trap.
I spy 1 hr. nothing

27 June Twice 2 day I see bird at the wierd knob
hole that faces the trunk. Just water?



1989 M. Stanback

M. Formicivorus

Y

HNHR

Dec 88 Acorn Count : 1000

5 Feb Saw ♀ 1559, ♀ 1560, NOID ♂

16 Mar 1115 Saw ♀ 1560 (~~9M~~), ♀ 1561 (~~ROG~~), ♂ 1150

Bird in locust hole, bird in wierd sycamore hole.
♂ karriting. Saw ♀ 1559.

17 Mar 0800 Saw ♀ 1560 (N/D). Also saw a chase.

Both chaser (♀) and chasee flew toward Plge
checked holes - nothing.

20 Mar 1530 ♀ OWOY (1559)

22 Mar 0800 saw 1150

23 Mar 0800 ♀ 1350 (should be Y BF, but has been KNOL BF)

is reasserting herself at Y. Lots of chases,
some garricks, drumming. Saw 1150 chasing her.

At one point birds went to 88 nest hole. A chase
at Knol. NOBA ♀ at Y, chased to Knol - chased.

30 Mar Spent good part of am here getting malaise trap on line.
No wierdness between Y & Knol.

4 Apr 0730 Wierdness here between Y & Knol

1200 Saw ♂ 1150, ♀ 1560, a little wierdness, ♀ 1559.

6 Apr 0800 1350 here again, persistantly trying to move
in. Other Knoll birds sitting in sycamore just across
road from Y. Y birds all defending against 1350.

17 Apr 0615 ♂ in low locust hole (88 nest). Anything up? 1350?
1700 checked hole - empty & dirty.

19 Apr 1000 NOBA ♀ intruding at Y. Retreated to sycamore
just across lane.

9 July 1020 Saw OK ♀ NKMR (chased Knol into)
OB/R ♀ = , ♀ YT

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1989 M. Stanback

2

M. Formicivorus

Y

HNHR

5 Sept 0630 Saw 1150, 1560. A chase here (+ over at Knol)
(Saw 1561 at Ref 1 on 890901)

17 Sept 1300 Saw 5 birds around Red House, ID'd 1150,
~~1559~~, 1560, 1561, ~~1562~~. Can't bloody win em a M

21 Sept 0630 Saw 1150, 1560, and another ♂ (he sat in tree
peaceably near 1150, then flew to top of 'Y'sycamore')

26 Sept 1240 : Saw 1560, 1561

* * Group Update * 1559 disap 890815 \pm 5 W



1990

M. Stanback

1

M. FormicivorusYHNHR

11 Jan 1500 Saw 1150 + 1560

15 Feb 1400 Saw 1150, 1560, & π ♀ (= 1561?)6 Mar 1440 Caught 1561 at Walt's Feeder. 87g (147) 30.35
80. Hcvit 61.5, 62, 63, 62, 62, 63.5, 63, 63.5, 63,
62.5. Put on radio. Pink rump.

Philip's radio bird killed (Cooper's Hawk)

Within days extra birds seen here, no 1D's

9 ~~Mar~~ ^{Apr} I notice the garricking (Knol ♀?) in Y's locust,
later I see a chase here.

14 Apr I can't stand not knowing what's going on, so I take a
look. Knol ♂ 1301 is at the terr border garricking,
Y ♂ 1150 is garricking & drumming. ♀'s are chasing.
1560 is keeping them out. But who? Drumming at Knol
too. Ah ha! An NOBA ♀ sitting w 1150, until chased
by a third. A ♂ (NOID) also seen intruding.
I think a hormone ambush is in order! At one point
1150 led the NOBA ♀ to the locust nest hole. A
pair of pies are here complicating things. I saw ♀
w bands (own?) Knol ♀ 1445 ($\frac{m R W N}{Y K n}$) in Y gran
eating acorns. I got a glimpse of a bird w DBR (sols)
Assuming ♀ 1560 is here defending, that shows that
when Fuch effect is down to 1 defender, the breeder
turns traitor & advertizes. 1150 & an NOID bird took
turns mounting each other. The NOID flew across the
road. Shortly afterwards 1150 flew too, to a new
hole in the sycamore (low!) Then 1445 came out

M. FormicivorusY

HNHR

(14 Apr) of the hole. A little later 3 birds flew in from the direction of Plge. (I cut open the new hole) 1200 1150 + 1445 seem pretty settled in. They keep flying over to the new hole. Chases are still occurring when 3rd bird shows up.

(1991)

- April It seems ♂ 1150 Finally bought the farm. NOBA ♂ now here.
- 21 Apr Gee, 1560 ~~seen~~ ~~seen~~ seen at Plge "power struggle" even though she now has a man + a terr at Y.
- 22 Apr Walt catches NOBA ♀ in high sycamore hole. 1630. 1560 + NOBA ♂ defending granary together
- 23 Apr It seems Walt's ♀ is the one that's been hanging out at Red House. Today she was on the hummer feeder for 5 min! (KPKP/PKPK)
- 28 Apr 1000 Filled a log w dog food, then added a feeder to it + hung both up at granary.
- 1 May 1630 Bird to traditional hole
- 5 May 0700 "
- 8 May 1700 still no eggs.
- 9 May 1600 1 Fresh egg!
- Roost watch. At least 1 in (I think just one)
- 10 May 1100 2 eggs. Marked #1 + 2. This hole is hell to put back together.
- Roosting: 1 bird in.
- 14 May 0840 5 eggs! And barn swallows.
- 26 May Walt reports 6 hatchlings. Cops. (No, just 5)

2

$$\begin{array}{r} 8.85 \\ 1.35 \\ \hline 7.50 \end{array}$$

4

$$\begin{array}{r} 5.00 \\ 1.35 \\ \hline 3.65 \end{array}$$

$$\begin{array}{r} 8.60 \\ 2.85 \\ \hline 5.75 \end{array}$$

3

$$\begin{array}{r} 10.5 \\ \hline 9 \end{array}$$

1991

M. Stanback

3

M. FormicivorusYHVHR

4 June 1300 : Y = 44 (15.55), B = 37.5 (14.15), P = 37.2 (14.7),
 DG = 40 (14.3)

14 June Banded babies (4) See cap recs

17 June ¹⁶³⁰ BrO 55 19.65 24 42 14 30 ^{ch} 67

MBR 71 20 25 55 17 37.5 80

Yom 61 19.7 22 48.2 17 33.8 72

~~These~~ WG 65 20 25 46 14.5 32.5 70

These are hungry kids. I fed them all dog Food & added in

1993 62.5 16.85 ²¹ ~~22.5~~ 28 10.5 22.5 52

19 June ⁰⁹³⁰ 1993 49.5 17.6 18 35 10 27 57 ^{bad news}

✓ BrO 55.5 19.9 19 48.5 15 33 73

✓ G 72 20.6 20 63.5 12 42 88.5

R 60 20.35 24 54 14 37 79

✓ B 58.5 20 21 55.5 15 38.5 81

Still very hungry. Runt has lost lots of weight. What's the deal - use your dog Food. I fed em all.

21 June [✓] ^{Bro} 1400 55.5 20.35 18 56 17 37.5 80

✓ G 70 21.2 22.5 73 14.5 48.5 98

✓ B 59.5 20.6 22 64 15 42 90

R 64 21 20 62.5 18 42.5 87

The runt (aviary/KONT) was dead, rotten, & full of maggots.

27 June Bad news, Blue paint (the remains thereof) found dead below the nest. Something munched him good.

All that's left is upper mandible and alot of feathers. Whatever it was ate him then & there.

8 July Gave dog Food. Big squirrel problems. Saw 1560, 1983, 1994

9 July 0830-0930. Juv watch. Saw 1560, 1983, J 1994.



1991

M. Stanback

4

M. FormicivorusYHVHR

(9 July) Upon my arrival here today, a ♂(?) Cooper's hawk was rumaging near a Brewer's blackbird nest, presumably looking for goodies. He hopped around in the vegetation, with the ♂ Brewer's scolding from a distance. Getting impatient, I flushed him and out he flew with a chick (I presume it was a Bbb chick). Anyway I start my watch. After an hour and only one baby ID, I quit. As I begin to walk away (got about 10 feet), I hear an ACW scream, a baby, from the valley oak uphill by the fence from the barn (where I had been watching - having heard a baby in there) A Cooper's hawk! The adult ACW's karritted where they were (nest tree, granary) but did not go in to mob the COHA. So I did. He flushed with the baby still screaming intermittently. It must have been a burden (∴ a ♂ COHA) because he descended to the ground while Flapping. My chasing didn't make him drop the baby (though I never got very close) I should've yelled loudly, but I forgot to (in shock) He finally disappeared with the baby down toward the pump, flying low and labored the whole time. I later learned that Danny found the GVG baby() (no paint?) on the

1991 M. Stanback

5

M. Formicivorus

Y

HVHR

(9 July) ground (where?) unable to fly.

He put the baby in the granary tree & it climbed up. (This was after I found the remains of blue). Apparently the will to fledge doesn't wait for plumage. As I left after chasing the hawk, I see a badger

2 Aug Saw 2 birds plus an intruder who flew towards Plze.

1988
1989

M. Stanback

M. Formicivorus

1

KNOL

H/NHR

~~very noisy near the entrance. very noisy.~~

Dec 88 Acorn Count : 2200

27 Jan 1530 - 1610 Saw : 1301, 1350 (nLB), 1445, 1604, 1605

20 Feb 1200 : 1301

16 Mar Saw ♂ 1301

17 Mar 1150 : Hello'd holes - nothing.

21 Mar 0715 - 0725 Census - 1301, 1350, 1445, 1604, 1605.

22 Mar 1600 : Saw 1301, 1350.

23 Mar 0800 : ♀ 1350 trying to be a Y breeder? Chases, some garricks & drumming. NOBA ♀. Hmmm.

30 Mar Noticed yesterday that door on 88 hole missing (recent, I think). 1030 : climbed, cut open new hole on S side of 88 nest limb. These two cavities are not connected. The new hole is kind of damp at the bottom. I made a new door for 88 door (wood + ductape).

4 Apr 0730 Wierdness between Knol + Y.

6 Apr 0800 1350 invading Y again, Knol birds spectating.

7 Apr pm Bird in new hole

8 Apr 0830 Birds going to new hole.

11 Apr pm starling in new hole

13 Apr 0830 Starlings + ACWs vying for new hole - starlings seem to be winning. Saw ♂ RKR (who?)

14 Apr 0800 Plge ♂ 1530 at Badger snag

1800 Cleaned empty starling nests out of the 88 hole + the new hole. Walt shot a starling from the 87 hole - I cleaned out a nest w 5 eggs.

1989 M. Stanback

2

M. Formicivorus

KNOL

HNHR

- 21 Apr 0700 ACW's at that low walk up hole in the sycamore stump where they laid & Failed in 88. However, they're battling it out with a pair of ATFC (ash thr) who are interested in starling box 53. So I took down the box.
- 24 Apr 1840 Bird in Y 87a hole (the dark snag hole) but it could just have been roosting in this shitty weather. Or maybe even a starling.
- 28 Apr 0755-0825 Spied. Nada. These guys are garricking & drumming some still weirdness w Y I suppose. I had heard (yesterday) birds at Gate Field Ravine, but no one there when I hello'd. Starlings are again in the new hole in the sycamore. Knol birds are spending lots of time in the sycamore across from Y.
- 30 Apr 0715-0740 Spy. Didn't get alot. Weirdness. At one point 2 birds flew to MOON. Agitation. At another point 7 birds sat in the top of Walt's pine. This is odd, since there are only 5 birds in the group. A turnover? Why would that cause 1350 to want to rejoin Y.
- 3 May 0730-0745 Spy, nothing but intrusions at Y
- 5 May 1230-1300 Spy, nothing but activity at granary. I've done roost watches too, but still nothing. Starlings.
- 2 Jun pm ID'd ♂ 1301 here
Roost watch: 4 birds into Y 87 hole. So where's #5?
- July Busy - we've caught, radio'd, & bled lots here

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1989

M. Stanback

3

M. FormicivorusKNOLHNHR

19 July Ambushed a new, Funky hole in the sycamore (high) by the Y. It faced straight up. Caught 3 birds (see cap recs + Philip's notes) ♂ 1301 was stuck in the ambusher, but seemed OK. We put on a new radio, reglued another, and did a silastic tubing (empty) implant on one of the ♀♀.

5 Sept 0630 - 0655 Saw 1350, 1604, 1605, ♂ $\overline{MRM_v}$ = NOBA ♂. Some chases here and at Y.

7 Sept 0645 Saw ♀ 1445 (\overline{WKM})

19 Sept 0900 Saw 1604

0915 At Blm Pond saw ♂ \overline{MY} , Flew toward Haystack

1130 Saw 1604, ♀ \overline{RB} = , \overline{OKWR} =

♂ \overline{BWBW} = , (♀) $\frac{\overline{OM}}{\overline{KPN}}$ = 1758 From Chgo? =
^{saw} 1350, 1445, 1604, 1605, but where's 1301?

10 Nov Nighttime ambush in the Nuttall's nest hole in the Agave by the schoolhouse. Hoping to catch 1604, but got 1605 + 1350 instead. 160

1990 M. Stanback

M. Formicivorus

KNOL

HNHR

- 15 Feb 1415 Saw ♂ 1301
18 Feb 1500 Saw ♀ 1445 beating up another bird.
19 Feb 0830 saw ♀ 1445 vocalizing beside the aviary
14 Apr See Y notes.
28 ^{May} ~~Apr~~ 0900 I check hole in Gate Field ravine. No babies (but also no peeper & I didn't open it) Also no bird in hole on arrival - did they Fail?
29 ^{May} ~~Apr~~ Check hole - 1 cold but developed (dead) egg.
21 Jun At least 1 NOBA at Pump (2+ birds here) 1500 bird?

(1991)

- 16 April 1600 Hello ravine hole - nada
23 Apr 1700 Mill cavity installed in granary
29 Apr 1600 - 1630 Spy From Spider Tree. Pretty slow. No interest in new hole. One suspicious Flight towards Walt's new hole.
30 Apr 1600 Check Walt hole - empty.
1 May 1120 Bird in Walt hole. Walt Checks. Empty.
3 May 1000 2 Fresh eggs - cold & damp. #1 & 2. set blind.
1145 - 1315. Watch. No visits.
Roost watch - 2 birds in!
6 May 1000 Removed artificial cavity. Took to CECV
7 May 1300 4 eggs.
18 May 1730 10.5, 7.5, 5.75, 3.65 (est 10.5, 7.5, 5.8, 4) ^{cardboard}
21 May 1030 17.2 : Y, 16.5, 9.3. Removed, added cardboard.
8 July am Gave dog food, saw BF, BM, 1968.
6 Aug Nest site: syc, live, new hole, 70 ft high?, 215°
ice cap rec. Urn @ 1/4 full.

1989

M. Stanback

M. Formicivorus1500H/NHR

Dec 88 Acorn Count : 2200

20 Feb 1215 : 1609 (7 NK)

* Group Update * ♀ 787, who had moved here from 1800 as a breeder (in spite of the fact that she was already a breeder at 1800 and that 1500 had several daughters that were allowed to stay) has now returned to 1800 as a breeder there following the death of her mother and co-breeder 193. 1500 is now back in a Finch effect. *** 890113 ± 1W

22 Mar 0830 Saw ♀ 1609 + NOID ♂. Hello hole - nothing.

3 May 1400 Power Struggle! I set Patti up to watch Lynn says it was quiet here yesterday.

11 May 1600 Dead calm.

2 June 0945 3 birds on T pole up from the dead snag up from 1500 + 1800 (and just below the fence line tree w box 26) Anyway, one bird was ♀ 1609 (+ID) They left and I soon after saw 2 ♂♂ together in a tree on the N side of the fence. Whats up? They flew (towards H-B nest) before I could ID.

1000 Hello hole - nada. They're out of acorns too!

3 Jun 1650-1705 Looked for birds to ID - couldn't find any!

9 July 0810-0830 Census - nothing!

29 July 0715 Saw ♀ $\frac{Y}{M}$

9 Oct Donna reports both birds here + storing (but the granaries mostly empty).

3 Nov 1600 Saw both 1608, 1609, + an intruder on

5-6 Nov No one into the ambush.

17 Nov Ambush - caught 1609. See cap rec. Gran @ $\frac{Y}{4}$ full.

do For d0
and d22
 ↑
 (bigger sample)

→ For all single ♀ nests
look at chool diff tween
chick 1 + 2. This should
give the "importance" of
incidental incubation

LL, RL
RW +

1990 M. Stanback

M. Formicivorus

1500

HNR

11 Jan 0900 Acorn Count 380

Herit: 64.9

26 Sept Ambush # 1901 88g, ch = 146, dmn 30.4, tail = 86

1991

19 Apr Danny says he saw birds showing interest in a hole in the snag. (but it's a crappy hole)

5 May 1230 Hello - nada.

7 May Morné reports 4 Fresh eggs in traditional hole. Ops!
How'd we miss that one!?!?

19 May 1430 RL = 5, LL = 5, RW = 7.7, LW = 3.6, B = 4.8 + cardboard

12 June 1200, RW = 11.6, LW = 8, B = 4.5 (new) + cardboard

15 June 1130 RW = DB = 26.4 (9.5), LW = 20 (8.2). Remove cardboard, add.

1989 M. Stanback

M. Formicivorus

1800

HNR

Dec 88 Acorn Count : 3500

* * Group Update * ♀ 787, who has been a visiting breeder at 1500, has returned to 1800 (890113 ± 1W) following the death of her co-breeder 193 (890113 ± 1W) 1553 disap 890104 ± 2W

22 Mar 0840 Hello 88b hole - nothing (same 88a hole) There's a nice new hole on the limb w the styrofoam (towards the end - below where it broke off last year)

0850 Saw 770, 1438, 787 (♀ WRW). There was another ♀ (possibly intruder? 1 chase) $\frac{RWB}{MRO}$

0910 787 displace-chased myst ♀. Saw ♀ $\frac{MDBLB}{R}$

Fieldlist says

29 Mar Lynn reports 787 in residence and no extra ♀♀.

6 Apr Walt reports birds hanging out on other side of lane, he also found a new hole in a live oak up & to the left of the granary.

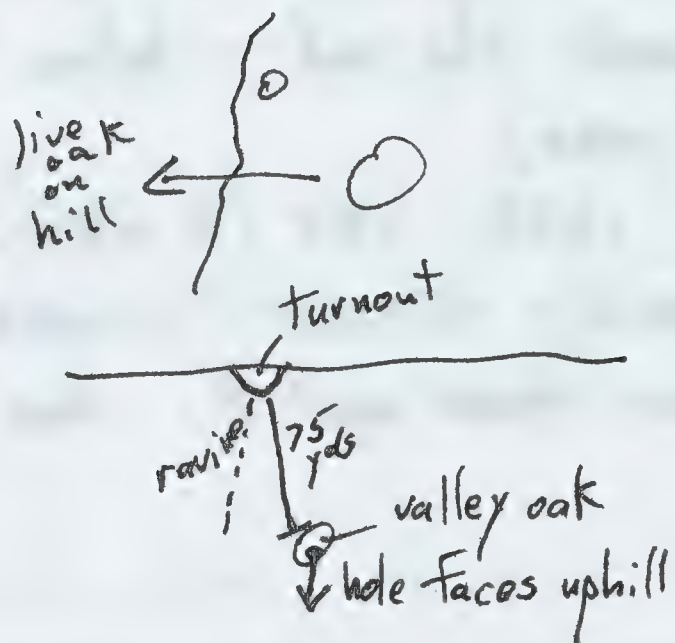
18 Apr 1200 Aha! Bird into low hole near styrofoam

1400 Boo. The hole sux - its connected to the outside.



19 Apr 1300 Hello holes - nada (See map back)

20 Apr 0645-0705 Spy. I heard birds on School Hill leave & fly back to 1800, but then I saw a bird fly from 1800 to 88b tree. I later saw a bird fly to the vicinity of the 88b nest. Also wakes there. 1400 Climb 88b hole - doesn't look ready. I try to find the road(lane) hole Walt described - no luck.



Bigger all !

1989

M. Stanback

2

M. Formicivorus1800HNHR

29 Apr 0800 I hello the new road hole (Walt showed me where it is) - nothing.

3 May 1700 Climb 88 b - empty but chips

5 May 1220 - 1240 Spy, at end 2 birds flew in tandem to 88 b tree (to area of hole)

11 May 1600 5 freshish eggs! (not particularly warm, but it's cold out)

20 May ~~was~~ Patti reports incub (am or pm

21 May " Feeding

22 May 1845 $RL = 15.1 / LL = 10.3 / RW = 14.5 / r = 4.5$. Well damn, now I don't know if a 5th egg hatched. They usually don't start tossing this soon, but a late hatcher should still be alive. It may have died tho... I'll see how the runt's doing at noon on 23 May. If dead, I may gamble the other went too. 15 g? Are you sure it was incub on 20 May?

23 May 1245 $RL = 16 / LL = 12 / RW = 15.6 / r = 4.5$ (though I measured him w the 10g pesola - he was 4.75) I removed the runt to CV2 (+ fed him a .6 g cricket). I also gave LL a .6 g cricket after weighing him. I added LW from Gazo (was -) weighing 19 g.

Bad news... CV2 failed, so nowhere to stick runt. I decided to keep him overnight + fatten him - he needs help. However, he didn't make it through the night. He's now tissue sample T20

24 May 1815 $RL = \bar{R} = 24 (8.55) / RW = \underline{DA} = 22 (9.35) / LL = \bar{M}_r = 16.8$
 $LW = \underline{DB} = 28.7$. Added in LB & "-" from group David.

1989 M. Stanback

3

M. FormicivorusH/NHR

25 May ¹⁸⁰⁰
^{1130 (11)} DB = 28.4 (11.25) / LB = 22.1 (10.15) / M = 18.3 (8.9) / r = 10.9
 R = 23.8 (9.6) / DG = 23 (10.2). Runt's not looking good -
 hopefully removal of DB will improve him (DB to H-B)

* * Group Update * 1554 Found dead by Walt at H-B

1653 disap 890202 ± 2W

1 June ¹⁴⁰⁰
^M 52 15.1 1.8 - 1.5 -
 DG 65 16.75 4 - 1.5 3.5
 LB 65.2 15.7 3 - 1 4
 R 59.8 15.75 5.5 - 1.5 4
 - 38.5 13.7

6 June ⁰⁹²⁰
^M 67.7 17.8 15 17 9.5 14 43 Put
 E 78 20.2 19 24.5 9.5 17 50 up
 - 54.5 16.8 9.3 23 16 10 32.5 Snake
 R 72.5 18.15 20 25.9 10 18.5 50 net
 B 78.5 18.75 19.5 25 10.5 20 54

7 June 1430 Added banded ARSW baby into nest.

12 June ^{Mon} am 4 snakes in net - one was dead and a critter
 (skunk, Fox well, something musky) had started eating it
 from the cloaca - so I couldn't sex it. All the
 snakes were in a glob, so I think it was an
 encounter of a sexual kind (not food) Anyway, one
 of the live ones had a big hole chewed in its neck
 but was otherwise fine. I removed all the snakes. ^{Nest} ~~depredated~~

17 June ^{Sat} 0930 Removed snake net.

* * Group Update * 774 disap 890805 ± 2M

603 1715-1730 spy - nada

1990 M. Stanback

M. Formicivorus

1800

HNHR

11 Jan 0915 Acorn Count: 2° gran = 0 1° gran = 1960

18 May 1230 babies (3) + 1 egg died bef hatch (# 3?) 11.9, 8.1, 5.4

1991

19 Apr 1100 - 1130 Watched for nestiness, then hell'd Nada
~~the~~ Some MacGranary stores gone

23 Apr 0800 - 0830 Spied. Twice saw birds fly into the woods (but dif places). After spying 1 hell'd + searched for holes - nada

24 Apr 0805 - 0815 Spied From SHIL. Nada

25 Apr pm spy - nada.

1 May 1000 - 1030 spy. Bird into 89 hole!

1100 Open hole - empty, but Fresh chips

3 May 0900 Check hole - empty. (string broke - reset)

5 May 1200 " "

7 May 0900 " "

8 May 1305 - 1335 spy. No visits to 89 hole, but not much action anyway. 1 bird flew into woods, another flew to creek.

10 May 0850 - 0920. Spy, Saw 2 suspicious flights into the woods, but at 0920 saw a bird in the 89 hole (who garricked. Time for yet another climb.... And once again, the bugger's empty!

13 May 1310 - 1320. Spied. Saw a bird fly to the hole. Empty

15 May 0930 Empty

18 May 1700 Hello holes - nothing.

20 May Mornó reports 2 Fresh eggs.

1991

M. Stanback

2

M. Formicivorus1800HNHR

2 June 1800 RL = 8.8, LL = 9.8, RW = 7.1, egg A (pip) = 4.35, Egg B = 4.6. Didn't put in cardboard, put up bee thang for Barthell.

→ 3 Jun 1830 11.3, 13.5, 10.3, 5.6, & last egg pipping. Wow! 5 eggs hatching over 4 days! Put cardboard in.

4 June 0930 Never underestimate the power of hatching async. The last egg hatched and the parents adults promptly removed the chick (& probably ate it). I found the egg shells. Of course I brought my camera so I could line up all 5 for a photo. As my weighing gear was on the ground (with the camera), I did not bother weighing the remaining 4 (though now I realize I should have. Oh well. The runt is on his way out. Even with dog food, 2 kids die. Final est: 13.5, 11.3, 10.3, 5.6, ~~4.1~~^{4.8}. Oh yes, the cardboard says 2 June, but I really put it in on 3 June.

Yo, you missed one!

6 June 1630. RL = W = 25 (9.15), LL = DB = 27.3 (10.5), RW = Y = 21.8 (9). Removed old cardboard, put in new. Runt is marginal.

17 June Walt catches #787 (74.8 g)

19 June " " " 77.9 g (145) 27.4 (87)

12 July 0830 Saw 1438 at Pump pan trap.

6 Aug Nest site: valley oak, dead limb, reused hole, 28 Ft high, 90°

1989

M. Stanback

1

M. Formicivorus

Horsetail

HNHR

3 Nov 1600 Acorns stored here! and a new hole! And birds - see Donna's notes

(1991) Well, there are birds here. Morne put up food, but no one is ever in any holes

July The 85 nest tree fell (a 10 ft stump remains)

1989

M. Stanback

1

M. FormicivorusH-BHNHR

Dec 88 Acorn Count: 5000

* * Group Update * ♂ 5322, the unbanded baby from the missed 88 nest, disap 890109 ± 3 W.

941 disap 890109 ± 3 W.

20 Mar 1430 ♂ $\frac{M}{LD} = 1083 ?$

22 Mar ~~0725~~ 0725 - 0755 Spy from Plan. Starlings in fence-line hole. One bird flew into woods. Building hole on T-pole
0930 Hello webbing hole - nothing. Found a hole in the woods (down from corner) not that great - is there another.

28 Mar 1450 - 1600 Watched for hints - none

3 Apr Lynn reports bird in high webbing hole

4 Apr 1220 Hello web hole - nada. Saw ♀ 1674.

8 Apr 1430 Climb web hole - empty & looks completely unused. Just dust & woodrat shit.

11 Apr 0815 - 0830 Spy from CV2. There's action in the tree uphill from the granary, but can't tell if it's nestiness or intruders - there do seem to be several intruders. What's up.

12 Apr 0800 - 0830 Spy from Blm Pond. Lot's of action in the 2 uphill trees (& beyond uphill), especially the ~~higher~~ uphill one (left) Mostly Flycatching (I think there's something emerging at that tree. Lots of starlings. One ACW spent some time building on the higher hole in the T-pole by the granary - but he still is only 1/2 way in. Some intrusions.

13 Apr 0730 Intrusions. What's up?

1100 Searched everywhere up here - nada

1989

M. Stanback

2

M. FormicivorusH-BHNHR

19 Apr 1215 Hello holes - nada

28 Apr 0730 - 0745 spy on uphill trees. I did see several ACW's leave the 'holy' uphill tree, but no one flew to it.

30 Apr 0815 - 0900 Spy from new cabin. Are they mate guarding. I see a group of 3-4 moving together, sometimes to the "holy" tree, sometimes downhill.

2 May pm Lynn reports mate guarding.

3 May 1030 Hello uphill holes, trad hole, Fence hole - nothing.

5 May 1400 - 1420 Spy from "barn". Not a bird.

13 May Walt found nest! 4 opaque eggs.

15 May am Lynn reports Feeding during her watch.

1500 ♂ in hole on arrival + he wouldn't leave! I climbed up, reached in + got him - and me without bleeding gear. I measured his bill ^(31.6) and put 2 black dots on his forehead. Its 1085. I hope he doesn't needbleeding. C'est la vie. They'll be plenty of time for that after the experiment. $RL = 5.7 / LL = 7.5 / RW = 7.8$

+ unhatched egg (so slightly older than CV1). At 1512

tree!

a large tree ^(timber) fell in the direction of b/m 1. A sobering thought.16 May 1700 $RL = 10.5 / LL = 12.4 / RW = 12.8 / \text{new LW} = 5.4$ +

looking good in WMFP land. I removed RL, LL, + RW to Chgo + added RL (CV1) and 4 Gazo kids. So now there are 6 kids (5 hatchlings and a sick 1 day old)

19 May 1315 $BL = 16 / LL = 15.5 / LW = 14.4 / RW = 11.6 / L = 11.8$. RL gone
So all that work + they died anyway.

waiting for
the great leap
Forward.

1989 M. Stanback

3

M. FormicivorusH-BH/VHR

21 May 0900 LL = ~~22.7~~ 22.7 (10.5) = \bar{O} / L = 18.4 (9.55) = \bar{Y} / LW = 21.9 (10) = DB-MV / BL = 22 (10.05) = LG / RW = 17.4 (10.2) = \bar{LP}

25 May 1200 G = 42.7 (14.75) / Y = 38.4 (13.55) / P = 36.5 (13.95)
S = 45.2 (14) / O = 45 (15) Added in DB From 1800

1 June ¹¹⁰⁰ \bar{Y} 67.5 18.15 16.5 22 8 15 47.5
 \bar{B} 53.5 17.2 8 8 3 5.5 30
 \bar{O} 19.9 24.5 25.3 11 17.5 52.5

BM 18.8 20.4 21.4 7.5 14 48

P 66.5 18.9 16 19.5 7.5 11.5 46

LG 19.9 18.5 22 10.5 20 48

4 Jun ⁰⁸⁰⁰ P 71 20.1 23 36 12 22 62

O 79.5 21.2 26 41.5 16.5 26.5 69

G 78 21.6 24.5 38.5 16.7 28.5 66.5

Y 70 19.87 24.5 38.5 12.5 23.5 66

S 77 20.35 25.5 37.7 12.2 23.5 66

DB was very dead (+ rotten). I don't think he starved - he smothered in the heat on 2 June I would guess - he had 5 big "sibs" sitting on him.

6 Jun ¹⁶⁰⁰ Y 76 20.35 25 51.8 14.5 32 77

O 87.5 22.4 28 54.2 20 35 81

BM 81.5 21.4 30.5 52 16 30.5 80

G 80.5 22.5 28 52 19 36.5 79

P 77 20.85 25 48.5 16.5 29 74

* * Group Update * 1763, 1765 NSAB 890730 \pm 7w

68.9

14.2

26.82

80

1990

M. Stanback

1

M. Formicivorus

H-B

HNHR

11 Jan

Acorn Count : uphill trees :

" stump = 150

main gran = $1040 + 990 + \overset{\text{est}}{500} = 2530$

Saw 1762, 1764

total :

* * Group Update * 1761 disap 891010 \pm 3W

15 Mar Mike reports ♀ 1761 alive + well ←

11 Apr 1415 Hello holes - nothing. The 89 hole is falling apart.

16 May 0830 RL = 5.3, LL = 4.0, RW = 7.4, egg = 3.9 (or is it 4.9)

egg meas: 25.95×19.95

17 May

1130 RL = 10.8, LL = 8.5, RW = 12.5, 4.1

2nd June WDK

21 June Still have sev hundred acorns.

(1991)

21 Apr 1245 - 1300 → Spied on 90 hole. Nothin. Walked up + helloed all - nothin.

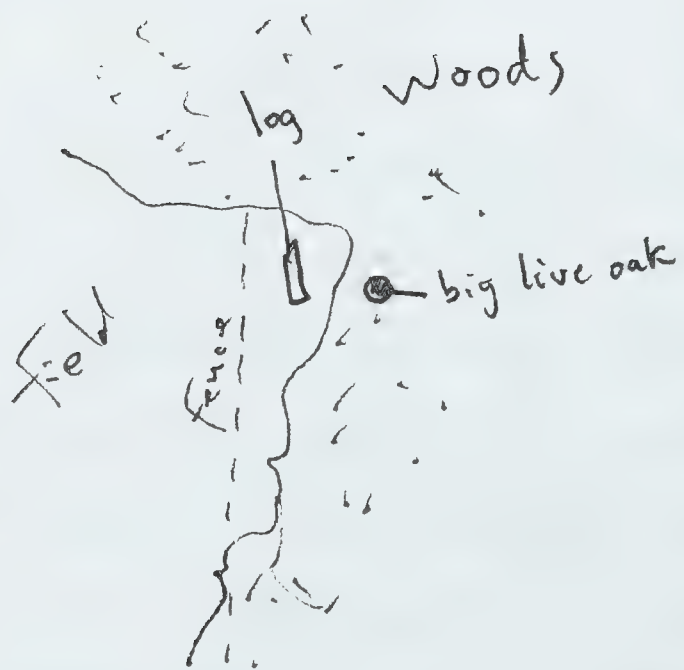
24 Apr 0655 - 0715 Spied on 90 tree. No activity at all.

25 Apr 0915 - 1000. Spy from Far Knol. They keep going to the woods, especially the corner area (just sapsucking?)

1400 Damn, not a thing when I come up + investigate.

1500 From atop Haystack I see birds in the same → place again. Once again I check once again nothing.

1 May 0815 - 0845. 1 spy. Some birds together (mate guarding?)
A bird went to corner. Nothing helpful.5 May 0715 - 0740 Spy on 90 tree. At @ 0735 birds started going to the section of limb extending toward the fence (way out) ~~~~~. They all looked in (didn't seem to go all way in though). Time for a climb.



1991 M. Stanback

2

M. Formicivorus

H-B

HNHR

(5 May) 0900 Climb. I think this is the 90 hole. Empty, but in good shape.

7 May 1000 Climb. Empty.

9 May 1000 " " There's Fresh shit on top of the Fresh chips.

11 May 0700 - 0730 Spy. Birds in 90 tree, but no visits to hole. Hmnnnn.

14 May 1040 - 1050. Spy on 'nest' tree. A swallow looked in once - that was it.

1250 - 1400 Watched H-B From atop Far Knol. 1 bird went to the "corner" - no other hints anywhere. No action at the horiz webbing hole.

16 May Roost watch. Suspicious Flush from near webbing hole long before roosting. At least one bird there for roosting.

18 May 1600 Hello webbing hole - nada

21 May 0900 Hatchlings! After alot of work resawing the grown-over door, I find I can't reach them (or even get a good peep. May need to get Nancy up here. Set the H-B blind, but it really sux.

8 June Banded 3 kids. Nancy was able to reach the kids. This is one deep hole.

1989 M. Stanback

M. Formicivorus

LHAY

H/HR

Dec 88 Acorn Count : 10,000

~23 Mar Hello holes - nothing

28 Mar 1430 There's a nice, new, low hole (E Facing) in the tree S of the granary.

1445 Saw ♀ 1522 on the H-B side of the fence (+ down a good ways)

4 Apr am Lynn reports lots of visits to hole.

1200 I climb hole + peep - empty, but fresh chips. I couldn't reach the bottom, so I added a whole Pint butter jar of chips - then topped w real ACW chips.

8 Apr 1400 Checked - empty, but they kept the chips (looks like they removed a few real ACW chips)

13 Apr 1100 Checked hole - still empty. No one in Walt's hole or the nice new hole in the tree just up + to the S of the granary tree (E Facing)

16 Apr Lynn reports mate guarding but no interest in holes.

19 Apr 1230 Aha! One new egg in 88 hole. Set round blind

Roost watch: 3-4 birds in (probably 3?) Lynn

20 Apr 1500-1800 Nest watch, followed by roost watch.

Everybody wanted in, but the first bird discouraged them! At one point 3 were definitely inside, but some were being evicted as fast as they were going in. It was ugly - there were still birds trying to get in at 1920. I heard pecking (I could've sworn it was outside) as I was leaving at 1922.

Oh yes, I marked egg #2.

30 Apr 0800 4 eggs: one of the unmarked ones has a small dent on

21

2004

April 1st Sunday School

The children were very happy to see their friends and teachers. They sang songs and listened to the Bible story. The teacher read the story of the Good Samaritan. The children were asked to think about how they would help someone in need. They were also asked to think about how they would help someone who was hurt. The children were very thoughtful and gave good answers. The teacher was very proud of them. They all had a very good time and enjoyed the lesson. The children were very happy to see their friends and teachers. They sang songs and listened to the Bible story. The teacher read the story of the Good Samaritan. The children were asked to think about how they would help someone in need. They were also asked to think about how they would help someone who was hurt. The children were very thoughtful and gave good answers. The teacher was very proud of them. They all had a very good time and enjoyed the lesson.

1989 M. Stanback

2

M. Formicivorus

LHay

H/NHR

(30 Apr) the big end. otherwise all look good. But where's the blind? It must've blown away during the storm.

3 May 1045 Well, they were supposed to hatch 2-day, but due to incidental incubation, they started yesterday.
RL = 6, LL = 7.3, r = 3.2. Dented egg was Fertile, developed, & dried up. → no PHE?

5 May 0830 RL = 8.8 / LL = 12. I removed these 2 to the aviary & added in 4 MacF1 kids.

1730 \bar{Y} = LWB = 20.6 (10.15) / \bar{M} = RW = 19.3 (8.4)

RL = W = 20.9 (9.6) / BWRL = P = 20.3 (9.2)

Added in MacF: G = 17.2 / LL = B = 19.5

7 May 1500 Big (> 1 m) gopher snake upside down (tail up) in snake net. I freed & released it @ 100 m

away. G = 31.8 (12.4) / B = 29 (10.85) / P = 27 (11.2)

M = 27.3 (10.8) / W = 28 (11.85) / Y = 27 (12).

I removed B (not G) to put into Plge.

13 May 1600 G 53.3 (16.3) 5 5 10

P 5 2 15.7 5 1.5 3.5

Y 5 1 16.35 7.5 4 6

Mv 5 8 16.35 3.5 3 3

W 5 4.5 16.5 5.3 3 3

Added in P from Plge (now P+G)

19 May ¹²³⁰ Y 73.5 19.6 22.5 37.2 13.3 26 64

PG 75 19.25 23 33 11.5 20 62

P 73.9 19.1 19 30.6 12.2 21.5 57

G 77.5 19.3 21.5 28.3 17.5 30.5 53

W 75 19.55 22 32.7 13 20.5 58.5

M 80 19.3 19 29.5 12 20.5 57.5

1891

March 1st

Dear Sir,

I have the honor to acknowledge the receipt of your letter of the 27th inst. in relation to the matter of the

and in reply to inform you that the same has been forwarded to the proper authorities for their consideration.

I am, Sir, very respectfully,
Your obedient servant,
J. H. [Name]

1989 M. Stanback

M. Formicivorus

LHay

HNHR

23 May	1600	M	83	21.2	24.5	53.5	20	34.5	80
		W	77	21.15	28	55.8	17.8	34.5	86
		P	72.5	21.15	23.5	53.5	18.5	33.8	81
		G	76.5	^{20.82} 20.82	23.2	52	23.5	43.3	77.5
		Y	74.5	21.2	24	60	15	39.5	86
		PG	73	20.65	26	58	17	34	84

25 May		Y	73	21.9	22.5	69	12.5	45	95 (Y)
		W	75.5	22	22	65.5	20	40	89.5 G
		G	79	21.5	26.5	62	18	48	87 P
		P	75	21.8	25	64	19	40	89 Mv
		PG	72.5	21.3	22	66.5	22	39	92 K
		Mv	80.5	20.8	25.5	63	22	38	89 B

1 Jun 1030 Snake net empty - moved blind uphill.

2 Jun 0715 - 0930 Juv watch. Saw 1723 & 1726. 1723 was dom (1) to the baby in the hole - who spent the whole 2 hrs w his head out (no visible color), but does have a white "mustach" ~~never mind~~ Also saw 1679, 1046, 1146, 1155, 1520, 1521, 1627. The W square in granary has 33 acorns.

2 July pm. The door is gone! I climbed (sans equipment - so I really couldn't fix it) & Found one piece inside, the other about to fall, and all the bark gone. Hmm, methinks something big tried.

11 July 0400 Ambushed bent tree hole (86b hole). Caught ♀ 1522 wt 81, culm 28.5, see cap rec for molt.

14 July 0930 ♀ 1595 from Pipe intruding. Saw 1725. Caught 1723 & put on radio. See Philip's data sheet. Yellow paint 2.4 g radio 1. 151.34. B2 C2 F 4.5

6
↑
○ Far

5
○ lone

○ amb

4
○ mist

gran
○

○_{1,2}

○₃

0745 1

0800 2

15 3

30 4

45 5

0900 6

15 7

30 5

19 18 17 16 15
w x n s

June 11
4-12 jam

17 7 4

1989

M. Stanback

4

M. FormicivorusLHayHNHR

(14 July) 1723 : wt 68.9, 142, 26.82, 80

15 July (check date) Not very successful time budget watch

The baby (1727) moved around as such.

1745 1

6R

O Far

0800 2

5

O lone

15 3

O amb

30 4

O gran

45 5

40 mistl

0900 6

O

O 3

15 ?

1, 2

30 6

29 July 1200 - 1500 Sorta census: 1679, 1046, 1520, 1521, 1629, 1627, 1723

22 Sept 0730 - 1000 Saw 1679, 1046, 1155, 1520, 1521, 1629, 1627, + ♀ 1723. I saw all these birds repeatedly. Gee, same as 29 July. Are all the rest dead? (Which baby died at CVHR?)24 Sept Donna reports 1146 at Blm 2. He's been there since 890720 \pm 2 w22 Oct Donna reports ♂ $\overline{M/LB.K} =$, + ♂ $\frac{w/LB.K}{n/B-Y(V)}$ * * Group Update * 1725 NSAB 890529 \pm 1 w;1726, 1727 disap 890815 \pm 5 w; 1628 disap 890607 \pm 1 w,1522 disap 890817 \pm 5 w; 1722 disap 890623 \pm 3 w1146 has dual citizenship at LHay + Blm 2, but I moved him to Blm 2 890711 \pm 1 w

1990

M. Stanback

1

M. FormicivorusLHAYHNHR

11 Jan Acorn Count : 2° gran (dead snag) : 877

$$1^{\circ} \text{ gran} = \underset{\text{count}}{2300} + \underset{\text{count}}{1400} + \underset{\text{est}}{(\sim 800)} = 4500$$

$$\text{total} = 5377$$

W Facing block = 32, E block not visible enough

11 Apr 1330 Hello holes - nothing. I climb the 89 hole. They've deepened it so I can't touch bottom. A few Freshish chips (?) seen on peep. The door is still Fucked (*@!) but I made some repairs.

24 Apr Ambush! in the hole over in the woods. Eight birds. Did not cause a power struggle. Walt took 1520 for experiment, but he died during the night of 24-25 Apr. Caught all but HM (\therefore 1679, 1723, 1627 (Philip put radio on), 1046, 1521, 1155, 1629, 1520) Sec cap recs.

21 June 0600-0700 Hello'd holes - nothing, then went uphill & started watching. Flycatching, but no directionality. Saw 1679, 1155, 1629, 1723 ... and an unbanded juv! They were feeding it, etc. Shit. I added 2 gallons of H₂O to the pan - we may need it for netting. They still have lots (1000's) of acorns, so a 2nd nest is not out of the question. W block w 22 acorns

4 July Ambush! 1896 : 83.2 (143) 27.4 (86) : 67, 74

1897 : 83.5 (145) 26.3 (83) : 64.5, 72, 71, 70, 73, 77, 73

1898 : 77.4 (144) 27.1 (83) : 70, 72, 73, 70, 72

Blm 1 Roost Watches

me

Philip

~~||||~~ ~~||||~~

||||

~~||||~~ ~~||||~~

|||

40 hrs

2 hrs

1991

M. Stanback

2

M. FormicivorusLHAYHNHR

- 21 Apr 1330 Hello'd all holes, even the one down the gulley - nothin.
- 25 Apr 1415 Hello holes - nothin. I peep the traditional hole. Its clean, but I wouldn't bet on eggs tomorrow (no fresh chips)
- 30 Apr Walt reports Egg #1. 1 roost watch. No one in.
- 1 May Danny reports 1 bird in hole at roosting.
- 5 May 0930 5 eggs
- 16 May 1830 Still not hatched (eggs still there)
- 18 May 1600 Bird in hole, eggs warm and dead. Looks like infertile or death soon after all were laid. H-mm
- 8 June 1100 Hello'd holes - nothing. 22 acorns in W grid. Walt reports 1 egg
- 20 June pm. Danny does watch, reports feeding. Free-climbs the nest (over at the saddle) and Finds 2 kids & 2 eggs (one felt "squishy"). What is going on here? 1 egg Walt?
- 21 June Indeed, 2 kids & 3 eggs.
- 25 June Walt reports that one of the kids is dead. The problem seems to be that there's an upper & lower chamber. (so poor incubation & brooding)
- 11 July 1000. I band the one remaining nestling. This is the last baby of 1991.

1989

M. Stanback

1

4

M. FormicivorusCECNHNHR

18 Mar 1145 : Saw $\frac{DL}{PL}$ ♀ (1487 pretty sure). Checked hole - nothing.

27 Mar Lynn reports birds hanging out - coming/going near hole.

29 Mar 1600 Bird Flushes from hole as I get near.

2 Apr 1230 NOID ♂ at Ref 1, who?

14 Apr 0600 Hello - nada

1700 " "

2 May 1815 " "

7 May 1830 Well, I should've known ... 4 kids! $RL = 14.2$

$LL = 20 / RW = 17.1 / LW = 15.3$

8 May 1045 $RL = 13.4 / LL = 20.5 (10) = 0 / RW = 17.8 (9.9) = Y$

$LW = 16.7 (13)$ Geez. What happened? Do they really lose that much wt overnight? Did no one roost with them? Did the blind freak 'em out?

(Added in G & W, the 2 smaller aviary kids, but they're still much bigger than these.

1800 $G = 25.6 (12) / W = 24 (10.2) / O = 22.3 (10.35) / Y = 20.5 (10.35)$

added From aviary at 1030 ↑ $RL = G = 14.6 / K = LW = 19$

So... after the experiment I removed 3 of the 4 (Y, G, K)

legitimate CECN kids & put 'em in the aviary with the single kid from FAAR-PHF. All the other aviary kids either remained in CECN from noon, or were

added in at 1800 (Thus CECN now = 5, aviary = 4)

10 May 1430 $G = 33.7 (13.9) / O = 27 (12.5) / W = 27.9 (12.1) / Y = 33.4 (14)$

$P = 38.4 (13.4)$. Gave the O & W .5 g of food each

Set a gopher snake
trapline. Put a net
on every tree and
check it once a day

1.5 3p

1989

M. Stanback

2

M. FormicivorusCECNH/VHR

15 May

1745

W 51.5 15.7 1.5 - 1.5 -

O 55.7 16.75 2 - 2.5 2.5

P 67.5 16.45 6.5 6.5 4 6

✓ G 59 16.9 6.2 6.2 5 7

Y 50.1 16.6 5.8 5.8 2.5 4.5

21 May

0940

W 71 18.65 18 21.5 11 17 46

O 75 20.15 16 21 9.5 17 46.5

LG 76 19.3 24 34 13.5 23 60

P 83.5 19.35 22.8 31.8 15.5 24 60

Y 66.5 19 21.3 32 11 21.5 58

22 May

1030

LG 77 19.5 26 39 16.5 26.5 65

P 83.5 19.65 25.5 37.5 16 26 64.5

O 77.5 20.5 17 26 11 20.5 53.5

W 73 19.3 20 26 13 20 52

Y 68.8 19.5 22 38 13.5 25 63.5

* * Group Update * 1526 return 890400 (seen 890508)

28 May

1030

O 81 23.05 25 57 18.5 39 83 black

W 79 21.3 27 59.5 19 39.5 79 purp

P 88 21.35 26.7 69 20 45.3 96 b pink

G 80.5 22.05 22 70 19.5 44 95 (aggressive green)

Y 72 21.35 20.5 69.3 13 43 95 yell

29 May

1500

MB

LG

= G / PN = P / NR = Y / MK = Purp / = K

3 Jun

0815 - 0835 Watched hole - nothing. I guess they've all Fledged. I heard kids up in the live trees, but there was still one stuck in the nest tree: 1734

1 Sept

1100 Heard birds over at Ref 1, so I checked 'em out; saw ♀ MW, ♂ WBWB, and ♂ ^{on} WBWB (could

2 July

1989

M. Stanback

3

M. FormicivorusCECN, etcHNHR

have legs mixed up on this last one) They were hanging out ~~up there~~ E of Ref 1 gran. Are these poorly ID'd CECN birds or Kno1 birds. After a full I did ID CECN ♂ 1523. My guess is that the birds were CECN ♂ 1525? Whoa! That ♀ is Y 1561! RPN 6 nw! But who are the ♂'s? Is this just a no means land?

5 Sept

0920 - 1005 A mess. There are birds going from MacR all the way to Blm 1 (not all the way, but MacR to Ref 1, Ref 1 to CECN, CECN to Blm 1). That Y ♀ was at Blm 1 earlier 2 day too! There are @ 4 birds hanging out in the Ref 1 area - the CECN ♂'s (1523, 1525), the Y ♀ (1561) who chased another ♀ KWN () from Ref 1 granary, plus a couple random birds MLG? ()

19 Sept

1025 Saw 1525 at Ref 1 (M+M), 1526

*

* Group Update * 1487 disap 890715 ± 6w; 1734, 1735, 1736, 1737, 1738 NSAB 890715 ± 6w

1991

M. Stanback

M. Formicivorus

1

CECN

HNHR

Set up nest log in CECN tree

12 May 0810-0815. Spy. Bird flies to artificial hole - looks in, & hops away. 3 birds come to granary - one eats from the bottle feeder. Wow! Empty

13 May Danny censuses & discovers that the ♀ here is Blm 1^{Bg}

14 May 0820 Check hole - empty. Chips are still the lumpy ones I put in.

1989

M. Stanback

1

M. FormicivorusBLM 1HNIHR

Dec 88 Acorn Count: 7000

16 Mar 1750 2 birds in 88 a nest hole

17 Mar 0830 Checked holes - nothing

1130 Bird in 88 a hole - but sharp around.

19 Mar pm Lynn watches 1 hr - no hole action

20 Mar 1000 Hello'd holes - nothing (eagle in tree)

2 Apr 1215

4 Apr 1235 - 1300 Spy - nada

1540 Hello holes - nada

8 Apr 1445 - 1500 Spy - nada

13 Apr 1015 Hello all holes - nada

14 Apr 0615 - 0630 Arrived in heavy fog, sat under tree at Far Kuel. Heard birds in near trees. 0630 saw bird into hole in nearest tree. So that's why Lynn hadn't gotten anything - they could see she was close to the nest.

1650 Its a new hole (nice + low + limb access - 6 normal eggs + 1 runt egg) 1 removed runt. 1 numbered them 1-6, but laying order is 6, 4/5, 3/1, 2. (1 + 2 are freshest, I think today) 1 tanglefooted the tree. Has bb box 72.

16 Apr 1715 Set snake net. Bird in hole on arrival.

24 Apr 0830 Dead gopher snake in snake net on arrival. He had not heeded the tanglefoot and was all sticky. 1 cut off his untangled portion (2/3). He's big ... ACW's. 2 kids have hatched (today?), marked RL + LL.

1815 Still just 2 kids (from eggs 4 + 6). #3 pipping.

Walt ambushed
88a hole

1989

M. Stanback

2

M. FormicivorusBlm 1HNHR

(24 Apr) #1 + 5 not yet pipped. #2 undeveloped. So much for synchrony here.

25 Apr 1030 Put 2 Pipe kids (RW - B) into nest (see Pipe wts) $RL = 8$, $LL = 7$. I removed the 2 most recently hatched and an unhatched egg (blue)

26 Apr 1230 $BB = 8$, $RL = 10.3$, $RW = 10.5$, $LL = 9.0$
Added Blm 1 (✓) Bian (✓)

27 Apr 1230 $LL = 9.5$, $B = 10.4$, $LWB = 14.9$, $RL = 15.35$,
 $RW = 13$. The Blm 1 kid was gone. I removed RL to stick in Pipe.

29 Apr 0945 $P = LL = 17.9$ / $Y = B = 16.4$ / $G = RW$ / $BLW = 0$
Took P & Y to Arnold. (FAAR)

2 May 1800 $LG = 40.3 (12.65)$ / $O = 44.8 (13.55)$

6 May 1030 G 63.3 (16.6) 2.8 4.7

O 61.8 (16.6) 6.9 6.4

pm Walt set ambush at nest - no catch, ambush stays
1700 Added W From BKOK (FAAR?)

15 May 1600 W 88.5 21.4 31 43 16 29.5 71

G 95.5 20.65 26.2 45.7 18 36 73

O 84 20.8 28 54.5 20 38 81

19 May 1500 O 83.5 22.4 25 75 14 52.5 99 1692

G 93 22.6 24.5 67.5 17.5 49 90 1693

W 90.5 22.9 26.5 65.2 19.5 42 92.5 1694

1692: rump pink, crown $\frac{3}{3}$ $\frac{BY N/O}{M/W/M}$

1693: blue, $\frac{1}{3}$ $\frac{M/LG}{R/DG-BP(N)}$

1694: yellow, $\frac{2}{3}$,

$\frac{M/W-BP}{DB/W}$

14 June 0900 Removed snake net.

Blm 2
31 May 0913 - 0945 spy fly, no nest, no
tho 1 bird to tree SE part of tree

1989

M. Stanback

3

M. FormicivorusBlm 1HNHR

2 July 1520-1530 Spied on nest tree - a bird seemed to fly to the hole once. I walked up & yelled but got nothing. No equipment so I couldn't climb. No acorns in granary.

1 Sept 1030 Set blind - watched awhile - nothing. Left blind up.

5 Sept 0710-0910. Saw NOBA ♀, ♂ $\frac{M(Y)}{DB-Y/LB} =$
 NOBA ♂, "♂" 1693, ♀ 1325 (1325 + 1693, as well as another NOBA bird were all interested in a particular hole in the granary) the Y ♀ 1561 showed up here too. Also $\frac{O(Y-K)}{KWNM} =$
 I think has for its LL = $\frac{KWNM}{KWNM} =$

It's very confusing here - I saw more birds that don't belong than I did see ones that do belong!

23 Sept 1530 Saw $\frac{W-K}{Mv}$ (♀?) (Yes, the split Mauve-K needs to be changed to W-K)

* * Group Update * 1694 NSAB 890725 ± 5 W

1990

M. Stanback

1

M. FormicivorusBLM 1HVHR

14 May 1000 RL = 7.2, LL = 7.8 RW = 4.8, LW = 3.0 Egg #3
 didn't hatch (late stage failure) 24.25 * 19.8
 I transcribed the 2 hr video watch from yesterday, (1010-1210)
 1055 ♀ WKR in (~~1325~~) 1325
 1125 ♂? OK in (), ~~1325~~ out
 1147 ~~1325~~ in (never saw ♂ out, though I could've
 missed it - Fast forward is Fuzzy.

20 May 1000 LB = 35.9 (12.3), 32.1 (12.2), 21.5 (11.1) did wait band

9 Nov After many failed attempts we finally catch birds here.

1648: 76.5 (147) ^{no} cuticle 86: ^{(69)68, (74)68, 75(68)} radio FH

1693: 85 (145) 30.75 (87): 65, 64 MH

13 Nov 1849: 76 (143) 29.5 () : 62 see cap rec

16 Nov Wow! Caught BM alone in snag tree, 5 others in 90 nest hole

1167: 81 (148) 32.3 (80): 60, 64, 64 ^{also caught}

1325: 80 (142) 27.6 (85): 66, 67 1693
1849
1648

1649: 80.5 (143) 29.85 (87): 62, 63, 59, 59, 60, 58, 63

27 Nov Caught 1849 w net (r dummy r speaker - this method got their interest, but not enough.) wt 76 g - so implant r surgery has no effect on wt.

1 Dec Christ, I'm getting sick of this (Ambush) Caught 1325, 1167, and 1849. I removed empty implants from 1849, released

1167 Philip put T into ♀ 1325 (breeder)

15 Jan Ambush. Caught 1648, 1692. See cap recs

19 Feb 1692: 74 g / 1648: 76.5 / 1325: 80 remove implants only one T

66, 67, 67, 69, 69 // 70, 71, 71, 72, 73, 74 // 66, 67, 67, 68, 68

1991 M. Stanback


2

M. Formicivorus

BLM 1

HNHR

16 Apr Hellid holes - nothing

21 Apr 1315 1 spy a starting nest in the dead snag (lower hole) → 

1415 - 1440. spy from Haystack. Maybe saw interest high in the granary. No action at 80 tree (except for a pie nest). I think I saw an ACW copulation (a third bird watched). Also wierd, one bird has a very strange karrit. Didn't a LHay bird have a strange karrit?

* 9 April Walt finds 1849's body (mummified). I removed her empty implants on 1 Dec, after which she promptly died.

1989 M. Stanback

M. Formicivorus

Blm 2

H/HR

Dec 88 Acorn Count

17 Mar am Check holes - nothing

20 Mar 1000 nada

2 Apr 1215 "

13 Apr 1000 Hello - nada

19 Apr 0700 "

15 May 1600 Hello holes - theres a new hole 1 tree S of 88

24 Sept Donna reports ♂ 1146 (From LHay) here as a Breeder. Since 890720 ± 2 W.

* * Group Update * 1146 moved 890711 ± 1 W.

1991 M. Stanback

1

4

M. Formicivorus

BLM 2

HNHR

16 Apr Hello holes - nothing.


25 Apr 1000-1020 Spy. Pretty dead here. One flight to W side of granary (I'm sitting on far knoll)

1030 saw bird fly to underside of the branch facing Blm 3

27 Apr 1340 Spy + see ACW's go to the 90 hole. There's a starling in the hole below it.

29 Apr 1130 Ug! After alot of trouble, I get a string up. Climb (hey, this whole limb's about to go - yikes!) The hole's empty, except for 2 new small oak leaves. Saw an ACW-starling interaction on arrival.

5 May 1000 Bad news. Hole has a starling nest (with 1 egg). Cleaned it out.

9 May 1400-1415 Spy. And find nest! Its in the limb leaning towards Blm 3  here

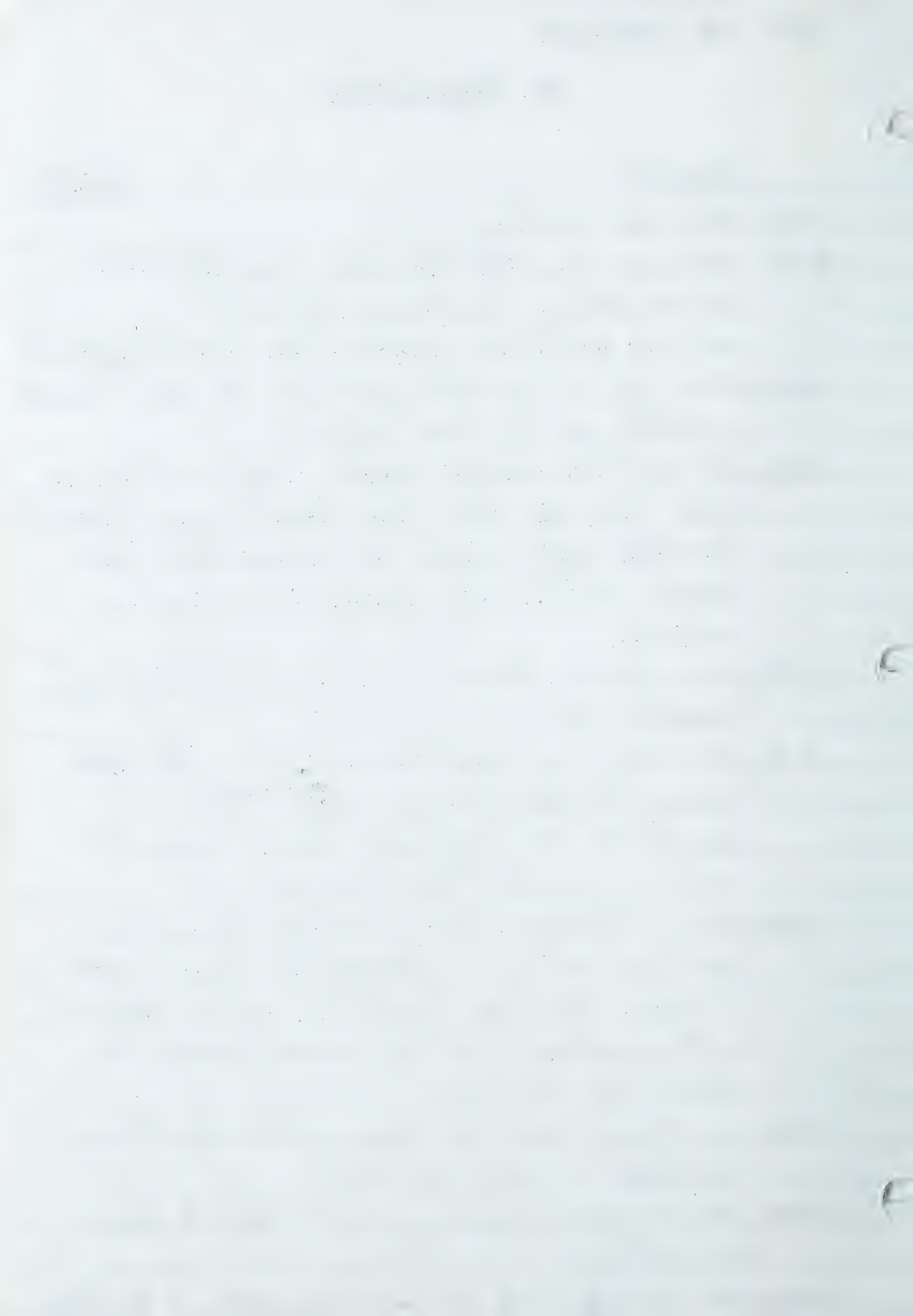
1600 A dead limb & unpleasant climb. I peep it - empty. A bird flushed on arrival.

12 May 0900 1 Fresh egg! Now, I realized the rope was over the cavity (& a dead one it is) so I moved it down. Now, how to cut it. With a ladder! In the meantime I cut off a nearby branch to reduce the load here.

14 May pm. Roger reports Full time incubation here (Danny had almost no visits yesterday)

21 May 1400 Cut open hole (yuk!) 5 eggs! Forgot to check for fertility.

29 May 1800 : 16.3 - DB, 15.8, 9.5 not looking good. 2 late dead



1991 M. Stanback

2

4

M. Formicivorus

Blm 2

HNHR

(29 May) eggs. I removed them.

18 June 0800 Banded Kids (1999-2001) WOW! 2000 birds - r
to think I arrived at Hastings on the day bird 1000
was banded....

12/11

1989

Mr. Stanback

1

M. FormicivorusBLM 3HNHR

Dec 88 Acorn Count: 2700 + 500 = 3200

21 Feb Finally, someone into an ambush. NOBA ♂ + ♀ (OBW)

22 Feb 0700: Banded NOBA ♂ = 1681, ♀ = 1255 From Raju!

Not sure if this is Blm 3. Ambush in tall tree near Blm 2 border. I'll call these birds Raju.

17 Mar 1120 Hello holes - nothing. Sev new holes in traditional tree. [Set ambush in double hole - pm]

18 Mar No one in, so remove sometime. Set blind 1220 2 ♂♂ at Blm 3. ♂ M(87) / DB-Y(V)Didn't see legs of other ♂. 1678

1 found @ 500 acorns in a tree in the woods downslope.

19 Mar 1715-1730 At least 2 NOBA ♀♀ appear to be living at Blm 3 Annex (the snag in the hollow with broken limbs on the ground)

22 Mar 1111 Saw NOBA ♂ + (NOBA?) ♀ at Blm 3 Annex. At Blm 3 saw 3 ♂♂ (2 banded, 1 NOBA) and a NOID ♀. They Flushed and went to the edge of Dark Hollow (and Kirt). ~~Then~~ A ♀ returned to Blm 3 and was involved in a short chase, after which she flew to Dark.

8 Apr pm: hello holes - nada

14 Apr 0645, 0740: Hello - nada - However, there are starlings in the 88a hole (leaning tree)

15 Apr pm. Patti reports bird in the double hole

16 Apr 1000 Climb + check all holes - double → no chips, 88b OK, new dead snag → shallow

1989

M. Stanback

2

M. FormicivorusBlm 3HNHR

19 Apr 0645 Hello holes - nada.

0845 " " Saw NOBA ♀. There are still birds at Blm 3 Annex. At least 2. 1 waited, they returned. NOBA ♂, NOBA ♀. I think just 2.

1400 Hello - nada. Clean out starling nest in 88a. 4 eggs.

27 Apr pm. Hello holes - nada. Birds at Blm 3 Annex - they aren't Gazo, are they (no scope)

4 May 1610 Bird Flushed from the new hole in the recently broken limb on the SW side of the traditional nest tree. There are chips & diggings on the ground below.

15 May 1545 Hello'd all holes (nada) Climbed the new one - looks complete - even has chips - but no eggs. (Also he'll'd Blm 2 - there's a new hole in tree S of 88)

21 May 1145 Hello holes - nada

31 May 0900 Hello'd holes - nada - climbed the new one - empty and very few chips)

3 June Flashlit holes on way home after DKHW roost watch. Nada.

14 June 1000 Hello holes - nothing. Saw NOBA ♂, Flew downhill.

1005 Blm 3 Annex: NOBA ♂ & NOBA ♀.

19 June 0835 Hello holes - nada

2 July pm. " "

8 July Roost watch: no one showed!

* * Group Update * Big changes here - everyone abandoned and were replaced by the "new Rajn" birds. So...

1377, 5325, 1675, 1676, 5328, 5329 dis 890820 ± 2 M

1678 dis 8908²⁰ ± 5 M; 1255 + 1681 arrive 890820 ± 2 M

1991

M. Stanback

1

M. Formicivorus

BLM 3

25 Apr 1200 Hello holes - nada. They're building a new hole above the starling box. A hole on the backside looks nice & recently worked on.

27 Apr 1400 Hello - nada. No acorns left, well... not many.

1/2

1989

M. Stanback

1

4

M. FormicivorusKIRT ~~r. Rajn~~HNR

* * Group Update * On 17 Mar 89, I discovered a granary with several hundred acorns stored. Jane has reported birds here for a long time

I saw 1638 ^{near} here today and will include him as a group member as of 881124 \pm 3W. A NOBA ♀ will be included as of 881200. Definite group composition is difficult to determine, due to general unbandedness and weirdness at Blm 3, DK14W, and the "new" Rajn. See 890317 notes for these groups.

11 Apr 0900 2 ♂♂ NOBAs there. I think they are a real group

19 Apr 0700 Couldn't find any holes.

27 Apr pm Hello'd the 2 holes up towards Blm 2: nada

15 May 1530 "

* * Group Update * 5330 dis 890900 \pm 2M. 1638 returned to OKCO 890900 \pm 2M

2/12

1989

M. Stanback

M. Formicivorus

RAJN

HNHR

~~20 Oct~~ 25 Oct 1988 : Jane sees 7 1255 at CV Mill near ~~the~~ ^{the} ~~granary~~.

21 Feb 9 1255 (Rajn kid) and NOBA ♂ into ambush set
in cut hole in tall tree at Blm 2 - Blm 3 border.

22 Feb Ambush. ♂ is now 1681.

22 Feb Ambush. ♂ is now 1681.
17 Mar 1100 At Far Slope: saw ♂ KWN LB-DB and NOID ♀. But there's

a "slew" of NOBA's circulating around DK14W, Blm 3,
r Far slope. 1 roost watched here last pm (at the
edge field hole) No one in, but 2 birds nearby.
Today Found their hole. Ah-ha! The mystery male
above seems to be OKCO ♂ 1638 (especially since
Lynn says she saw R on right).

19 Mar 1720 'Saw ♂ 1681, but 2 + NOBA ♀ were in the same neighborhood.

20 Mar 0600 Caught 1681 in an ambush set in the new
hole by the gully tween Blm 3 & Far Knoll. Is
this Rajn or Kirt.

* * Group Update * 1255 & 1681 moved From Rajn
to Blm 3 890820 \pm 2 M

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185	Chapter LXXXXXXXI	185
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187	Chapter LXXXXXXXIII	187
188	Chapter LXXXXXXXIV	188
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192	Chapter LXXXXXXXVIII	192
193	Chapter LXXXXXXXIX	193
194	Chapter LXXXXXXXI	194
195	Chapter LXXXXXXXII	195
196	Chapter LXXXXXXXIII	196
197	Chapter LXXXXXXXIV	197
198	Chapter LXXXXXXXV	198
199	Chapter LXXXXXXXVI	199
200	Chapter LXXXXXXXVII	200

1989 M. Stanback

1

M. Formicivorus

GAZO

HNHR

Dec 88 Acorn Count : 5070

17 Mar 0840 Hello holes - nothing

20 Mar 1010 " " A bird did Flush
From nest tree. Could have been From ^{88a} nest hole
Didn't see a bird in 88b sometime??

22 Mar 0945 Hello - holes - nothing.

27 Mar Walt ambushes : 1643 leg broken

2 Apr 1215 Hello holes - nothing

4 Apr pm " "

1530 Hello holes - nothing

8 Apr pm That I saw a bird flushing from a hole in the snaggy tree (underside of S horizontal limb) I climbed & checked - it's a half-built hole (looks like an old one that was very recently ~~open~~ worked)

13 Apr 1030 Bird in hole! The one that Walt cut open ^(last year) in the "low holes" tree. Bird was inside pecking (making chips?) Was it finished inside last yr?

~~19 Apr 0630 Hello ho~~

14 Apr pm Checked yesterday's hole - still not finished

19 Apr 0630 Hello holes - nada. They had eggs 1 month ago last year!

0900 Hello again - nada. Starlings in the bonecrack hole. Are they still in the gold string hole? A bird did Flush from the main tree at the last minute.

24 Apr 0845 Hello holes - nada!!!

27 Apr pm " "

30 Apr 0940 " " (maybe a Flush from gold string)

3 May 0835 - 0845 Spy. Hint to 88a tree. Hello - bird in 88a hole well, how bout that. Walt found it too! 4 eggs

2004

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1989 M. Stanback

2

M. Formicivorus

GAZO

HUHR

16 May 1630 O-ga-vey! They've hatched - and not 4 eggs but 6.
1:11 bet there are new 99 here! Hence the delay ^{Wrong}

LL = 6.3 / RW = 4.8 / R = 3.75 / L = 5.35 / BLB = 6.6

I removed all but R and added in ~~RL~~ BL, B,
BW, & LW (I didn't add in RL). And I left in
the egg (these kids are Chgo & CVI)

17 May 0700 Climbed to add the CVI egg baby (pipped in incubator)
(r marked on head) and found the CVI kid from
yesterday (the older one) dead. Tissue sample T15
Egg still unhatched

19 May 1400 $R = 14$ / BL = 14 / BW = 15.8 / B = 14.5 / ? = 9.7 = LL /
? = 7.6 = RL = cut on rh = egg baby ^{CVI}

21 May 1115 $RL = 12.3$ / LL = 17 (9.4) = K / B = 20.2 (9.8) = WR /
BW = 22 (9.45) = \odot / BL = 21.1 (10.6) = Y / R = 22 (10.4) = \odot

23 May ¹²⁰⁰ S = 31.4 (12) / O = 34 (11.8) / W = 32.1 (12.65) / K = 24.2 (11.6)
Y = 30.3 (12.85) / r = 19 (9.6), I remove runt and put
him in 1800 as LW.

30 May ¹⁸⁰⁰
Y = 65 18.7 13.7 13.7 tail worn 38 ^{right hallux stuck in band}
K 64 17.85 9.3 9.3 33
O 73 17.55 13.9 13.9 39
S 69.5 18 9.7 9.7 33
W 70.8 18.4 15.9 15.9 40

6 Jun ⁰⁷⁰⁰ Well damn, the one tree I don't put a snake net on
gets nailed... Of course I don't know what got it -
there was a small hole in the door (very thin &
rotten anyway) but I think a large mammal would've
just ripped the door off. I think not a weasel since

1989

M. Stanback

3

M. Formicivorus

GAZO

HNHR

(6 June) the 2 dead babies in there (5 + -) were undamaged. ∴ Snake? But why didn't he eat all 5
Maybe was a smallish snake, who, like at DKAW, killed
First & worried about how many to eat later.
Anyway I'm pissed - 'I was going to bleed today.'

19 June 0840 Hello holes - nada.

2 July p.m. " "

Nov Donna reports 2 NOBA's here with everyone else.
Must have missed a nest



1990

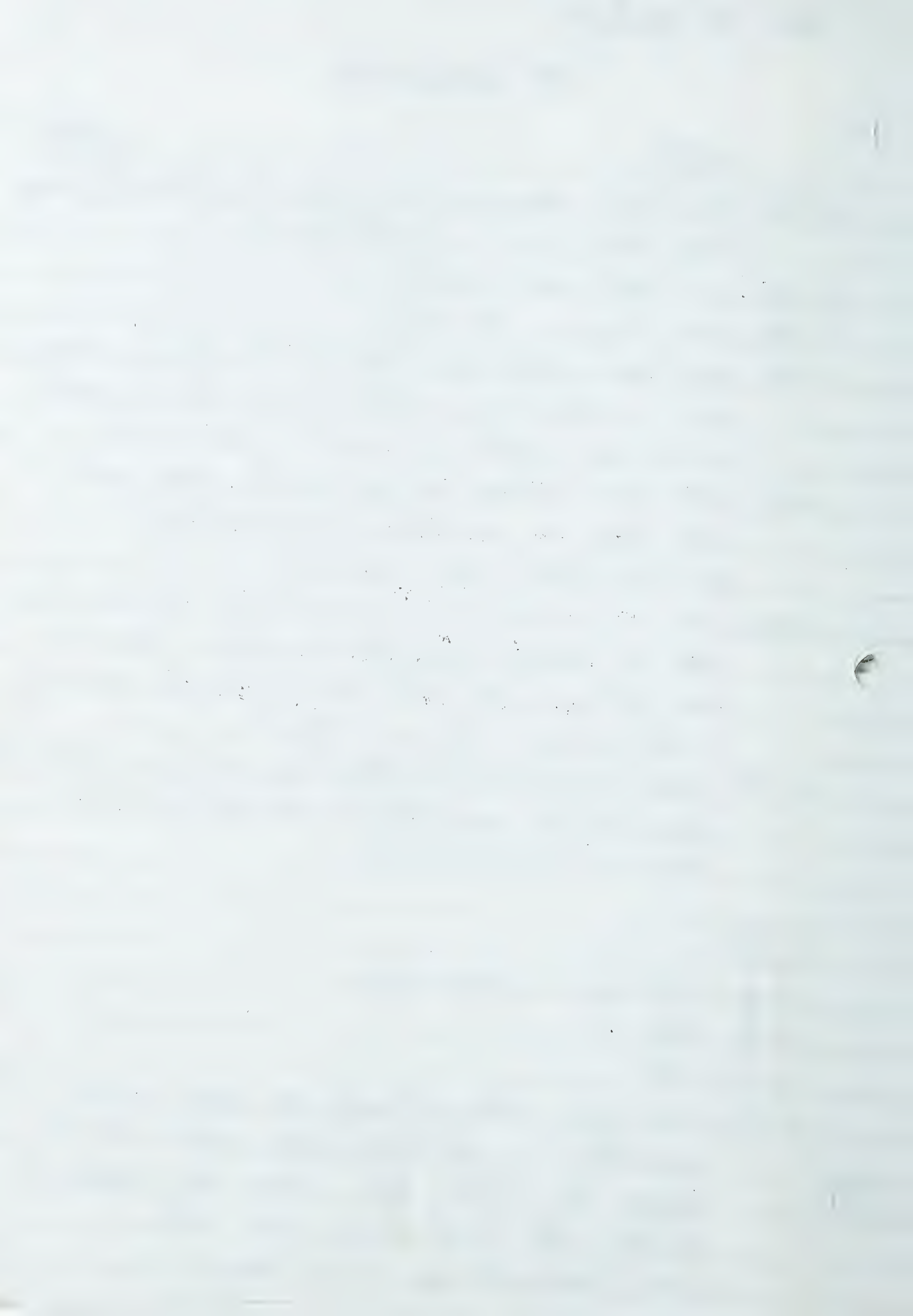
M. Stanback

M. FormicivorusGAZOHNHR

- 11 Jan Acorn Count: Main gran 1400 bbbbox 250, other 200, stump = 200. Total: 2110 \hookrightarrow (limb ^{wedge} had 60)
- 17 Apr pm Hello holes - nothing
- 9 May 1000 5 eggs. Set blind.
- 11 May 0600 Damn, couldn't reach the kids to weigh 'em. There was 1 unhatched egg - which I was able to reach - and it was infertile. I think I saw 4 kids.
- 14 May 0930 Well, thinking's not good enough. There were 3 kids today, so who knows. $R = 16.4 (9.05)$, $LG = 15.9 (8.9)$, $DB = 16.9 (8.5)$
- 20 May 1030 $R = 40 (14.5)$, $B = 41.2 (13.8)$. So where's the other kid? Hardly brood reduction material. Does this have anything to do with the fact that there were only 3 kids (instead of 4) on 14 May?
- 28 Oct Ambush: 718: 86 (150) 31.6 (84) / 1415: 76 (147) 30.35 (83.5)
653: 78 (145) 32.8 (83) / 1416: 82 (145) 32.25 (82)
1473: 79 (145) 28.85 (84)

(1991)

- 16 Apr Hello holes - nothin' doin'.
- 25 Apr 1215 " "
- 26 Apr 1040 " "
- 27 Apr 1200 Spy a while & finally see "nesty" action. A new hole! in gold string tree, about 10 ft above the "knot" hole. How did I miss it earlier. Set blind for a pm watch.
1700 5 well-incubated eggs. Cut a door



1991 M. Stanback

2

M. Formicivorus

GAZO

HNHR

2 May 0900 5 eggs. Still not hatched.

4 May 1630. RL = 8.6, LL = 7.4, RW = 9.5, LW = 9, B = 9.5. Cardboard
Oh yeah, as I was pulling the rope over the limb,
an ACW dive bombed it several times (thought it
was a snake?)

7 May 1800 RL = MV = 19, LL = - = 16.8, RW = R = 21, LW = P = 20.5,
B = O = 20.7

	19 May	1630	color	mass	bill	1°S	1°	TS	T	ch
O	67.7	18.15	16.5	17.5	7.5	11	41.5			
R	75.5	19.75	12.9	6.5	6.5	10	37			
-	64	19.35	9.7					3		
P	68	18.3	13.5					6	11	
M	63	17.9	15.5					6.5	9	

Spent forever trying to get ambush set.

20 May See CVI notes - I removed Gazo babies for 24
hours to save CVI kids.

21 May 1530 Returned CVI kids to CVI, Gazo kids to Gazo.

6 Aug Nest site: valley oak, dead wh in live limb, new hole, 28 ft high, 45°

1989 M. Stanback

1

M. Formicivorus

CVGR

HNR

Dec 88 Acorn Count: 6600

17 March 0850 Hello holes - nothing

* * Group Update * 837 disap 881220 \pm 3w

1081: I changed a band color in computer to watch Field view.

19 Mar 1545 - 1600 watch 88 holes. 1555 2 ♂♂ arrive, one goes in (~~100~~ KW = 1079). The other sits outside. After @ 4 min, outside ♂ leaves. Then other comes out & sits beside First.

20 Mar 1025 Hello'd holes - nothing. A bird

24 Mar 0930 Checked 88 high hole - empty, but some fresh chips. Very deep - can't reach bottom. Bring chips.

(26 Mar Patty reports bird flushing from high (ug) granary hole.

27 Mar pm I plugged up the 2 entrances to the high hole.

2 Apr 1230 Bird at hole on arrival. Open - empty.

3 Apr 1045 Bird at hole

1115 Climbed - empty

4 Apr 1315 " " , but there was a fresh runt egg wedged in the limb above the nest hole. I removed the egg. As I also could not touch bottom, I added a Pint butter jar full of wood chips.

5 Apr 1200 Egg #1 (3 hr watch) at least 1 roosted

6 Apr 1100 #2 (not translucent) (3 hr watch) no one roosted

7 Apr 1500 stole egg #3 after 2 hr watch

8 Apr 1600 No egg laid 2 day (3 hr watch: 2 visits) no one roosted

9 Apr 1630 stole egg #4. Put in "warm" reFridge.

1800 Dropped egg #3 @ 3 feet. It was in its shock-proof container, so it should be OK.

1989 M. Stanback

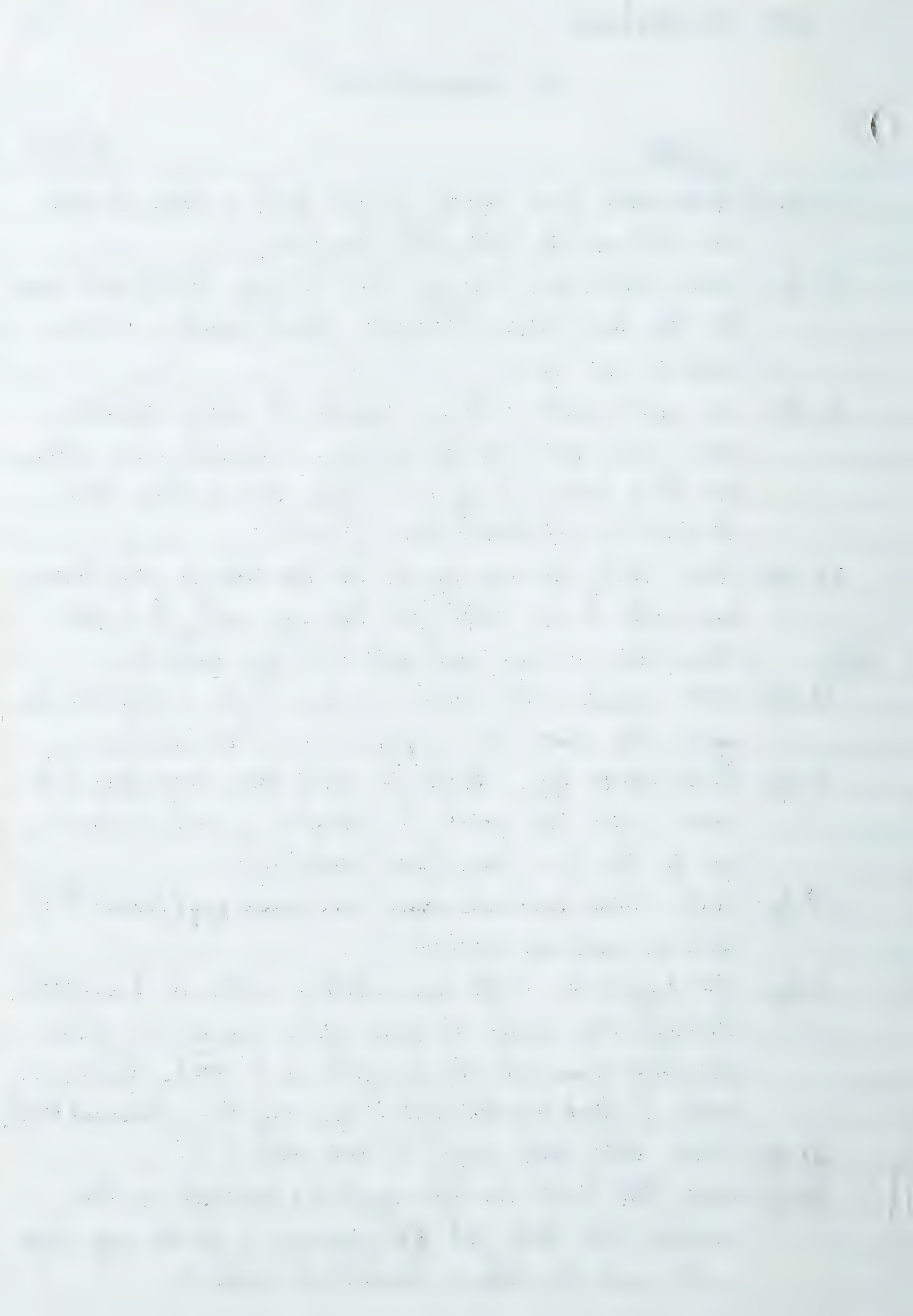
2

M. Formicivorus

CVGR

HNHR

- (9 April) Roost watch. Lynn reports ♂ & ♀ both in hole at dark. At last minute, both left the hole.
- 10 Apr 1200 Check hole - no egg laid 2-day. Birds did come to the hole this afternoon. Roost watch - one bird in at 1910
- 11 Apr am nest watch: Lynn reports ♀ never visited. 1700 Check nest: just the 2 eggs. I checked, on a whim, the 88b hole - 1 egg! I stole the 2 from "89a" ♂ 837 is not dead! Seen at nest!
- 12 Apr 1730 Shit, no new egg in the low hole, so who knows how old it is. Pat. got the egg out, I filled the hole w chips, and put the egg back in
- 13 Apr 1800 Check both holes - no new eggs. I removed the egg in the lower hole & put it in the incubator
- 16 Apr 0925-0940 Spy. Birds in nest tree very near the holes. At one point I thought I saw a bird go to the low hole (poor visibility)
- 18 Apr 1615 Climb low hole and find Fresh egg (labeled #1) Bird in hole on arrival.
- 19 Apr Well dummer all. I had Lynn start a watch at 9 am (0800) thinking they would be done with laying - I guess not (also, Lynn had only 1 visit in 3 hrs). Anyway, at 1430 I climb low hole, but it has only #1. Removed blind.
- 21 Apr 1230 Both holes empty - now what!?!?
- 24 Apr 0700 That First low hole egg (#2) developed in the incubator but died just b4 pipping. I put the wings & legs in N2 and the body in Formalin as CVGR Q



1989 M. Stanback

3

M. Formicivorus

CVGR

HNHR

27 Apr 1700, 1815 Hello - nada.

28 Apr 1630 Hello nest tree - nada. Hearing birds uphill and toward the F Troop Hole, I go up. In the snag tree (hollow), I see several birds Flush (one suspiciously). There's a nice new hole (E-Facing on the side of a horiz limb) - it'll be a ladder climb if its for real.

3 May am Hello all holes (including the new one) - nada

4 May 1530 Spy for @ 10 min from truck. Flycatching, disap into live oaks. The granary is dead! (literally)

5 May am Patti reports a barn owl in the uphill tree.

8 May 0715 Hello all holes - nada

12 May 0800 After some spying I find nest! Its in a live oak limb hanging over the creek down near where the fence & creek meet (near the big fallen over log. Will return to open. Set string.

13 May 1800 I jump up & realize that where the rope is is mostly dead (out past the hole - so combine this with my 2 clips) Anyway, cut a separate door (very rotten wood). 4 kids.
 $LG = 43(14.1) / K = 40.5(14) / P = 36.7(14) / Y = 40.3(14)$

15 May 0900 Y 43.8 15.61 2.5 - 2.5 -

(P) K 46.5 15.6 2 4

P 44.9 15.5

G 50.3 15.7

(K 40.5 16.25) added from Plge (from aviary) (from

* * Group Update * 837 returned 890315 \pm 2w, ~~1430~~
1430 (disap 880507 is uphill from CVette)

1989

M. Stanback

M. Formicivorus

4

CVGRHNHR1744
29 May

1700

G 80.5 23.5 28 67.2 19 48.8 97 blk

P 86 23.2 25 65 18 43.5 93 purp

K 85.5 24 24 63 21.5 41 90 ^{egg} yell

Y 76 23.5 26.5 67.2 24 49 93 pink

PK 87.5 24 29 73.5 16 50 101 green

30 May am Yow! Patti reports baby w orange rump has fledged
(was it yellow or pink?) Wrong, it was just almost falling!

31 May 1030 I arrive at nest tree and find baby G (blk rump)
on the ground. Patti saw him fall out of the
nest (he backed out ~~the~~ while an adult was
Feeding at the hole) so it does happen. Proof!
And a horizontal hole! I put him on a
nearby tree after measuring him but he fell
when he got to a vertical spot, so I took
him. I think I'll do an experiment with him
at Plge. (76 24 24 76.5 15.5 54.5 104)
With a chord of 104 he's not ready to fly.
I rebanded him M/BP-W and repainted him
(U) ^{Blue} Orange on butt and Forehead ~~white~~ ^{blue} ~~red~~ white.
I stuck him in the Plge nest at
They Fed him at the hole like he was one of their
own.

19 June 0845 Hello holes in 89a tree - nada.

* Group Update * ♂ 1616 & 1614 moved to PHF
890 310 ± 1 m. The other sibs didn't seem
to follow (but neither did they feed)

20 Sept 0730 Saw ♂ 1745, ♀ 1747, 1042, 1079, 1081, 1479, 1433
♂ WRN Saw ♂ RW sitting w 1081

1989 M. Stanback

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M. Formicivorus

CVGR

HNHR

(20 Sept) 1100 After some more censusing, I get a full ID on ♂
1616, who had moved to PHF. Also ♂ $\frac{N}{OK \cdot W}$ or \overline{OKWN}
= , ♀ $\frac{YR}{M}$ = , ♀ \overline{OM} = , ♂ \overline{OM} =
maybe 1615, but what leg? , ♀ \overline{MM} =
♀ $\frac{KPN \cdot K}{LB \cdot R/M} = 1430$

* * Group Update * 1482 disap 890523 $\pm 2W$,
1613 to PHF 090500 $\pm 2W$, 1746 NSAB 890622 $\pm 3W$
1748 dis 890815 $\pm 5W$

1990

M. Stanback

M. FormicivorusCVGRHNHR

18 Feb 1520 Saw 1616 (RLBM) From PHF - he's moved back
Also saw 1079

* * Group Update * ♀ 1430 moved back to
CVGR on 890920 ±

1616 returned 891215 ± 2w From PHF

11 Apr 0800, 0900 Hello holes - nothing

17 Apr pm Hello holes - nothing

21 Apr 1200 " "

30 Apr 0800 Repeated intrusions: ♀ Fuch effect?

2 May Mike reports bird in "Rajn" hole/limb. 1 Final nothing.

3 May 0900 1 Hello Rajn limb again - nothing.

9 May 1100 Ends up I've been helloing the wrong hole. I
climbed & Found 12(?) do nestlings. Shit, if I
had only dragged Mike out there on 3 May!

$R = \frac{100}{\text{persola}}$, $\text{Chlmen} = 16.5$, $1^\circ 5.8$, $+ = 3.5$

LB = 17.15, 4.4, 4.4

$\bar{m}_v = 16$, 3.5, 2.8

runt = 40 g, culm = 13

$\bar{o} = 16.65$, 3.2, 2

22 May Banded 5 kids. See cap recs. Very dirty babies!

18 Sept 1345-1445 Saw 1042, 1479, ♂ 1824, ♀ 1826, ♀ 1827,

♂ 1828 (Nancy saw 1825 on). Also saw

♂ $\frac{RM}{M} =$, ♂ $\frac{RW}{M} =$, $\overline{KDB} =$

♀ $\frac{RM}{RWN} =$, ♀ 1825, ♂ 1616

1991

M. Stanback

2

M. FormicivorusCVGRHNHR

- 4 April Traditional hole (2 entrances, multiple doors, very deep hole in "corner" tree) was nearly full of dirt. I cleaned it out & plugged it & set ambush at hole below. Starling tried upper hole (incipient nest) couldn't get in & one roosted lower. Wouldn't let woodpeckers in (4+). [They roosted in a new hole in the end of the limb with the fence hole] Anyway, I ambushed & killed the starling. Caught ♀ 1825 in fence hole. Radio, control implant. 77 (140) 30.85 (82.5) (3.5 = 8)
Hcrit = 66, 67, 68, 78, 80, 73, 66, 67, 68
- 22 Apr 1730 checked low "corner" hole. Empty & not in great shape. Cleaned starling nest out of upper.
- 23 Apr 0640 Found ambusher blocking the "Gazo" hole. *!@ I took it down. Hello'd other holes - nada
- 25 Apr 1130 Hello holes - nada. Spied a while. 3 flew together toward PFF (holes over there?)
- 26 Apr 1035 Hello - nada. Pies eating Morné's dog food.
- 27 Apr 1100 spy a ~~bit~~ bit. Birds fly to low hole in corner tree. 1 peep. Empty but OK shape. I stopped by to hello several times this afternoon but never got a bird in the hole
- 30 Apr 1515 Check (peep) low hole - empty
- 3 May 0930 2 eggs! Set blind.
1340-1640 Nest watch. Roost watch: a noisy late bird in, some indoor wakas, then a hasty noisy departure. Was there someone in there (I didn't check on arrival)

1926

247
251
255

135
75
31.5
80.5 J

at T in

B/ for
O cheek

1991 M. Stanback

3

M. Formicivorus

CVGR

HNHR

4 May Roosting: 2 birds into nest.

7 May 1800. Just 4 eggs.

19 May 0900 Wing = 9.6, L = 7.3, 1 dead egg, ^{added cardboard} no sign of 4th.

22 May 1700 Shit (27.2, 10.9)? (21.7, 9.8)? (25.15, 20.7)?

28 May Added in 3 M. lewis chicks

31 May Nest ambush (0740 - 1040). 1081 Fed @ 8 times.

The only other bird to show was ♂ 1616, whom I caught (see cap rec). At 1000 I heard a juv squee-torrering behind me (and a RSHawk too-close) What's this? A missed nest? Gazo kids?

Gazo kids being carried off by a RSHA?

I took 14 tubes of blood from 1616 - I hope he's OK. I quit at 1040 & fed the kids cat food.

1230 - 1630: Only 1081 & 1042 Fed (1479 came once but ambusher got stuck. Bad Luck

1 June 0645 Trying again. They feed w/in 5 min of my resetting it. Catch 1479. She still has a radio (sans antennae). I get it off (ouch)

0752 NOBA Female lands near nest - is chased away.

0830 G Face Fed

0900 KYK Fed!

Caught KYK - couldn't find implants

2 June 1320 Start again. At 1347 I nail 1826, remove at 1351

bleed at 1355. Mass = 80.5 g, ch = 135, tail = 75

bill = 31.5. Right T implant still in, about 1/2 full.

I remove it w Swiss A.K. but manage to lose it in

the grass. I paint her Blue Forehead, O check. ²⁶ molt
1079 fed. Quit 1630

1991

M. Stanback

4

M. Formicivorus

CVGR

HNHR

3 June 1430 Start ambush watch. 1825 not showing. Quit 1630

4 June 0800 - 0900. Ambush. Very few Feeds. I'm convinced they ~~are~~ know I'm in the blind.

7 June Ambush # 1042 for radioactive blood. Yikes.

Banded 2 ACW kids, 3 M. Lewis

8 July 1230-¹³⁰⁰~~45~~ Counted 7 ACW's here (and no M Lewis)

09/15/2012

24

BLOMONE

(cont.)

4289	M	YELLOW-ORANGE/L BLUE YELLOW-L BLUE/M	UK	08/30/2012 11/4/12 AR
4382	M	YELLOW-L BLUE/L BLUE-YELLOW WHITE -BLACK /M	UK	08/28/2012
4666	M	M /WHITE -BLACK MAUVE /MAUVE	UK	08/28/2012 10/28/12 AR 11/6/12 AR 11/12/12
5208	M	BLACK -WHT (N) /M D PINK /BLACK -WHT (N)	UK	08/30/2012 11/21/12 AR

LAGUNA

5240	U	WHITE /D BLUE-WHITE FGREEN /M	H	08/30/2012
5241	U	L BLUE /M ORANGE-BLACK /L BLUE-RED	H	08/30/2012
4920	F	M /L PINK-LGREEN L PINK-LGREEN/L BLUE	UK	08/30/2012 11/9/12
5230	F	D BLUE-LGREEN/RED -LGREEN M /MAUVE	UK	08/30/2012 11/09/12
5231	M	DGREEN /ORANGE YELLOW /M	UK	08/30/2012 11/06/12 11/09/12
5239	M	M /RED -WHITE D BLUE-MAUVE /D BLUE-MAUVE	UK	08/28/2012

BLOMTWO

5243	F	M /MAUVE D BLUE-WHITE /L BLUE	H	08/28/2012 11/12/12
5247	F	LGREEN-L BLUE/DGREEN-LGREEN BROWN /M	H	08/28/2012 11/15/12 AR 11/12/12



1989 M. Stanback

M. Formicivorus

MURF

HNHR

Dec 88 Acorn Count: 6400

5 Feb Census 1300-1320 967, 1485, 1486

17 Mar Hello holes - nothing.

0935 Starling in 85 nest hole (lone tree)
Acw entered hole on same limb.

* * Group Update * 1338 disap 881225 ± 2w

19 Mar pm Spy for nest 1/2 hr, no activity at either 88 holes

20 Mar 1040 Hello holes (even the 85 hole) - nothing. No
starling in 85 hole

22 Mar 1000-1025 Watched 88a tree. At one point ♂ 966
worked on a hole just below the string on the
88a limb (for @ 30 sec)

1025-1035 Watched 88b hole - nothing.

23 Mar 1000 Hello holes - nothing.

29 Mar 1355-1405 Spy - nothing (but maybe 1/2 up other side 88a^{tree})

1515-1525 Aha! My hunch was correct. Bird into hole
(N facing) on N side of 88a tree. See pic on back →

30 Mar 1430 Bird down in hole on arrival. Peek - empty, and
few new chips. Open (cut).

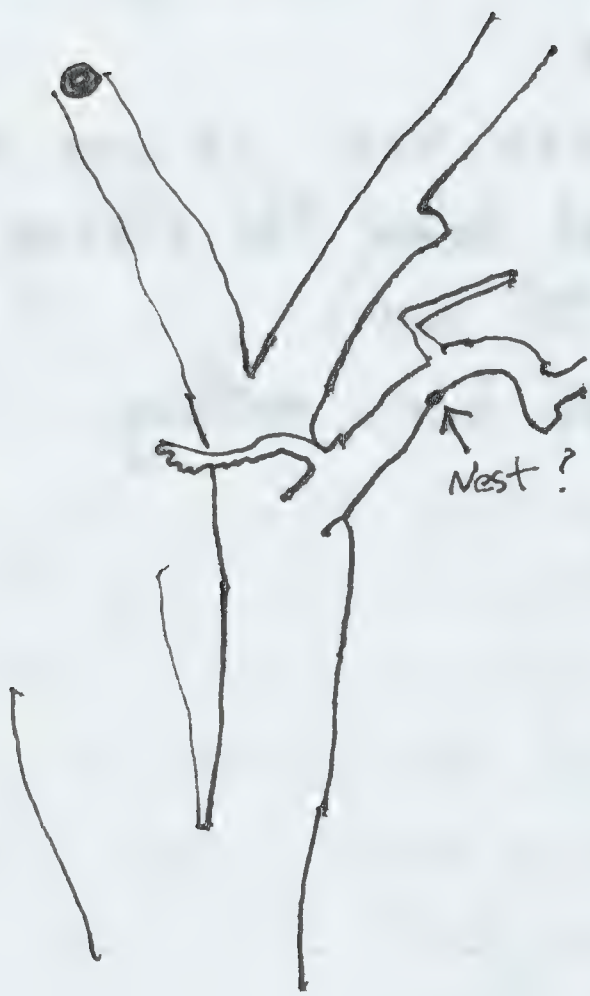
3 Apr Patty reports no one in hole.

4 Apr 1330 Hello holes - nada

1345-1415 Spied - nada

10 Apr pm 10 min watch from CV2 shows bird at a hole in
88a tree. I climb it - it's not a good hole - all
cracked & labyrinth inside. Also checked 30 Mar
hole - nada.

11 Apr 0730-0810 Spy - I got some hints for the new hole below 88a.



view from CV2

1989

M. Stanback

2

M. FormicivorusMURFHNHR

12 Apr 0925-0940 Spy on 88a tree - nothing. Hello - nada

16 Apr 0910-0920 Spy. In 88a tree, but also several trips to the summit tree.

1145-1205 Spy from OUTF. I got a hint towards the PO tree and a hint toward the "new" hole I recently cut. However, at 1205 a bird flew to the lone tree and went into a hole on the underside of the 85 limb. 1210 walked by it - bird in hole.

1500 Well, that was unpleasant... It was too deep to peep, so I had to cut it open. Thick, ants, wierd shape door... and empty. C'est la vie.

19 Apr 0725-0815 Spy. Bugger all. Not a thing. No interest in the lone tree hole - no hints. Just lots of fly-catching (from the 88b branch), some following, and several intrusions. I helled holes afterwards - nothing.

27 Apr 1800 Finally! A bird flushes from 88a hole!

28 Apr 1630 Check hole (no one in on arrival) empty and a very few fresh chips.

3 May 0900-0915 Spy on 88a tree. Nothing. Only hints were to summit. Helled all holes - nada. Climbed summit tree & checked the 1 good hole there. OK shape - but nowhere near nest conditions.

4 May 1540 Quick hello - nada

8 May 0730 Hello 88a tree - nope. Patti watched here yesterday and saw no B? ! So maybe it's a Finch effect!

15 May 1400 Hello 88a + b from below : empty.

1989 M. Stanback

3

M. Formicivorus

MURE

HNHR

31 May 0800 Hello holes - nada . 1

0815 - 0830 Spy From CV2 - nothing (some ind. Flycatching)

20 Sept 0830 - 0850 Census: saw all 966, 967, 1485, 1486.

1990

M. Stanback

1

M. Formicivorus

MURF

HNHR

17 Apr pm Hello holes - nothing. Out of acorns!

(1991) am. Finch Effect is over! ♀ 1486 is gone, & ♀ 1810

8 Apr From CV1 has taken her place. Still a little weirdness
(1810 going back & forth to CV1)

27 Apr 1440 Rumor has it there are ≥ 4 birds here. I
spy & see only Flycatching. Nancy watches & sees
only ♀ 1810 From CV1 (who flew back to CV1)

2 May 0745. Spied @ 15 min, hello'd holes. Nothing. Acorn
stores seem pretty bleak.

9 May 1250 - 1325 spy. Nothing, except 967 preening.

1989 M. Stanback

M. Formicivorus

CVI

HNHR

Dec 88 Acorn Count : 4100

5 Feb Saw ♀ 1170, ♀ 1656

17 Mar 0915 : Saw 945, 1090, 1499, and 2 NOIDS. Hello'd holes - nothing.

0930 : ♀ 1656 intruding at Mill.

* * Group Update * 1655 disap 881124 ± 2w *

20 Mar 1045 Hello holes - nothing

24 Mar 1015 " "

29 Mar 1425 Bird in 88b hole, bird at 88a hole pecking on new entrance on the door.

30 Mar 1340 Hello holes - nothing. They have made progress on the new entrance in the door of 88a.

2 Apr 1230 Bird near 88a hole, bird in 88b hole.

3 Apr 1050 No one in either hole, but new 88a entrance done

4 Apr 1330 Hello holes - nada.

8 Apr 1600 " "

10 Apr 1430 Hello holes - bird in 88b hole. Ditto at 1500. Climb, 6 eggs! 5 normal + 1 runt. Cold & Fresh. I removed # 4 & 5.

11 Apr 0930 1 new egg laid - I removed it. (pm nestwatch)

12 Apr 1100 1 new egg ∴ 4 eggs + 1 runt egg in nest. I left the new one. They were incubating 11 Apr pm

13 Apr 1700 Egg #1 25.25 x 19.35 (6.2)

2 26.15 x 19.4 (6.38)

3 25.3 x 21.1 (6.95)

4 26.1 x 21.25 (7.15)

I removed the runt egg.

16 Apr left blind under tree at creek X

3. Results

152

4. Discussion

5. Conclusion

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1989 M. Stanback

2

M. Formicivorus

CVI

HNHR

19 Apr 0840 No one in hole on arrival, and there was a huge swarm of ants all around the hole. Abandon? (they did seem very noisy while I was doing my Muf spy. Anyway I hid & watched the hole for @ 5 min, and a bird finally went in. Phew! So ants can be overcome (see also Lamb 88)

22 Apr 1200 RL = 6.35 - 1 = 5.35 egg #2 had not yet hatched
LL = 7.15 - 1
RW 7.8

RL ||||| LL ||| RW 1

look them
to Brian

1400 RL: 4 LL: 3 RW: 3

3 May am I hello here everytime I go by, but nothing

5 May am Patti sees birds in nest hole twice.

1500 Dog my cats! 7 eggs! 1 has been punctured & I removed it. I marked one of the 2 Fresh ones (today?) with #1. Bird in hole on arrival.

15 May 1330 RL = 6 / LL = 6.2 / RW = 4.6 (still attached to egg) / LW = 4.2. So I'll see if LW can catch up w RW (hatch order, egg size?) Patti reports lots of Feeding this am (37 Feeds - and probably just 3 chicks) (though RW was quite out of his shell - just hanging on by his umbilicus. 2 unhatched fertile eggs.

16 May am Patti watched - only 8 Feeds - due to gob'd ants. 1300 Climbed. Not alot of ants visible around hole, but when I take the door out they're all inside. RW & LL are dead, the other 2 on their way. 1 new hatchling OK, the last egg still unhatched. I take

Section 2

6

The first part of the document discusses the importance of maintaining accurate records of all transactions. It is essential for the company to have a clear and concise system in place to ensure that all data is properly recorded and stored. This will allow for easy access and retrieval of information when needed.

The second part of the document outlines the various methods used to collect and analyze data. This includes both qualitative and quantitative research techniques, as well as the use of statistical software to process and interpret the results. The goal is to provide a comprehensive overview of the data and to identify any trends or patterns that may be present.

The third part of the document provides a detailed analysis of the data collected. This includes a breakdown of the data by category and a comparison of the results to previous studies. The analysis shows that there are significant differences between the two groups, and that the results are consistent with the findings of other research in this area.

The final part of the document discusses the implications of the findings and provides recommendations for future research. It is suggested that further studies be conducted to explore the relationship between the variables in more detail, and that the results be used to inform decision-making within the organization.

1989

M. Stanback

M. Formicivorus

3

CVIH/NHR

(16 May) everyone. $LL = T_{13}$ (heart + liver), $RW = T_{14}$. 1 feed survivors - bag the wts. Egg to incubator.

17 May 0530 Egg pipping. So much for my plans to band Pige this am. Now it's off to ~~ABSW~~, no maybe Gazo.

0700 At Gazo I helped it out of the egg & put it in. The smaller big CVI kid was dead - 1 removed it & took tissue (T_{15}).

28 May Patti reports bird in hole

30 May 1820 Bird in hole!

31 May 1000 6 eggs and lots of ants. Didn't open

5 June 1600 Still not hatched (didn't peep).

7 June 1730 $RW = 4.6$, $LW = 5.6$, $RL = 5.9$ + 2 eggs.

9 June 0730 Christ Philip, which one was which? Is it - 1?

$$R = RW? = 9 / B = \underline{LW?} = 9.5 / Y = RL = 10$$

12 June 0700 $R = 19.4 / Y = 24.5 (10) / = 20.8 (10.3)$

$$R : \text{Split} = RW / (Y) = LW : (P) : Y = RL$$

One of the other eggs hatched (the remaining one "inf")

Anyway, the chick weighed 3.4 and was horribly emaciated. I removed to lab to try to save it. 1 left it in.

1330 Put chick into bluebird nest 306. We'll see.

13 June 0800 Very dead in bb box - threw it away.

17 June ^{Sat} 0845 $\underline{y} = 47.8 (15.65) / \bar{P} = 57 (14.8) - (3.5) / \underline{Y} = 48.5 (15.6)$

21 Jun 1330^P 83 18.2 15 15 9 14 43

BG 71.8 19.1 11.6 11.6 9.5 10 37.5

Y 67.5 18.95 14.5 14.5 7 11 39.5

30 Jun 0830 Y 78.8 23.6 29.2 61 18 40.5 88 (2) 1774

P 84 22.5 32 66 22.5 44.5 92 1775



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M. Formicivorus

4

CVI

HNHR

(30 Jun)

BG

80 24.1 27 58.8 22 42 87 1776

7 July

0940: - PP/PP/5P Y 6Y - G - 4G/GG/G/GG/G → Y
/ 4Y - 6Y/Y - P/P/P /// PP/P 6G/GG/GG

20 Sept

0900-0925 Census: 1090, 1774^{no sex}, maybe 945

*

* Group Update * 1170 disap 890601 ± 1 M, 1499

disap 890815 ± 6 W; 1775, 1776 NSAB 890815¹⁵ = 6 W

The first of these is the fact that the majority of the cases of this disease are reported from the United States and Canada. This is not surprising, since these countries are the most highly developed in the world, and the most likely to have the resources necessary for the study of this disease. The second fact is that the majority of the cases are reported from the United States and Canada. This is not surprising, since these countries are the most highly developed in the world, and the most likely to have the resources necessary for the study of this disease. The third fact is that the majority of the cases are reported from the United States and Canada. This is not surprising, since these countries are the most highly developed in the world, and the most likely to have the resources necessary for the study of this disease.

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1

M. Formicivorus

CV1

HNHR

- 18 Feb 1600 Saw 945, 1774, 1090
11 Apr 0810, 0850 Hello holes - nothing
17 Apr pm Bird in 89 b hole!
18 Apr 1100 5 Fresh eggs. Cool to touch (though it took awhile to get in) #1: 24×18.9 , #2: 25.7×19.9 , #3: 26.25×20.05 , #4: 25.3×19.65 , #5 25.7×20.25
30 Apr 0745 B = 12.8, Y = 12.5, W = 13.3, Front toes = 9.9, r = 6.1
21 May Banded CV1 kids. See cap rec.

(1991)

- 16 Apr Hello holes - nada
22 Apr 1700 Bird in hole. Climb. Egg #1.
23 Apr 0630 Set blind. [Roost watch - 2 birds in]
24 Apr Roost watch. Bird in hole^(♂) on arrival. It left. Later another (?) bird went in (it vocalized on the way in, so was another bird still in?) Later yet another bird went in, but there was much chattering & a bird came out. So... at least 1 bird in.
27 Apr 1500 Climb & check - 5 eggs.
8 May 1100 RL = 8.6, LL = 4.8, RW = 8.5, LW = 8.6, B = 8.4 / card-board
11 May 1000 RL = 17, LL = gone, RW = 15, LW = 17, B = 16.75
Removed cardboard, added a new piece.
15 May 0830 RL = Mv = 31.4, 13 / Bl = 30.4, 12.7 / Y = 31.2, 13.25 / G = 30.2, 12.5 / Cardboard gone! Put in new piece.
19 May 1800 B = 44.3 (15.6), Y = 49 (16.55), G = 47.9 (15.2) M = 48.4 (16.25). Spent 1 hr trying to get ambush set.

1991 M. Stanback

2

M. Formicivorus

CVI

HNHR

20 May How not to do a nest ambush. Arrive at 0730 to find ambusher sprung and babies quiet. I climb & find them stone cold & barely alive. I succeed in warming them back to life, give each a syringe of baby Food, and put them back into the nest. Into the blind at 0830. At 0930 as I prepare to give up, ~~a~~ a bird goes into the nest for @ 2 min. Others ^(5 present) show interest but are afraid. Birds stop showing interest @ 0940. At 1000 B♀ into hole for @ 5 min. I'm sure the kids are pretty chilled again. A male came w insects but wimped out, another with acorns & wimped.

1200 Returned w hot baby bottle and a hand warmer - they needed it - were chilled again. I warmed em for a bit in the baby box, then put the warmer in the nest & crossed my fingers. I fear that as a last resort I must Foster the Gazo kids into here. And I do it. I fill 'em full of baby Food & put them in at 1700 (The CVI kids get put in Gazo with the Gazo runt). I watch roosting at CVI & arrive to find all CVI adults busy feeding the noisy Gazo kids. Phew!

21 May 1500 CVI kids back to CVI Gazo back to Gazo. I feed CVI some ^{baby} Food first. No wts just moving.

29 May 1500 Band kids. Add M. Lewis (blue). ~~add~~ ~~add~~

15 June 0900 - 1000 Watched for juv interactions. Now. Saw M. Lewis

1989

M. Stanback

M. FormicivorusCVetteHNHR

- 31 Mar 1450 4 birds flushed from granary on arrival.
Two came from N facing holes in the middle of
the granary (There are 3 in a row)
- 4 Apr 1340 Hello holes - nada. ~~the~~ Further up the hill I saw
a ♀ $\frac{KON/K}{LB-O/M}$. Who's she? 1430 from CVGR
- 6 Apr 0900-0915 spy on tree - a couple birds, but not much.
Hello after - nada
- 16 Apr 1200 Hello - nada
- 18 Apr 1600 " "
- 31 May 0830 Uphill from CVET I see 2 birds busy Flycatching.
- 20 Sept 1100 : Saw 1430 at CVGR

1989 M. Stanback

M. Formicivorus

Mill

HNHR

17 Mar 0930 ♀ $\frac{MK}{R-W/LB}$ intruding here. Chased some (but not alot) by NOBA ♂. She flew to windmill and away. → F 1656 from CV1.

24 Mar 1030 NOBA ♂ stealing acorns - chased by NOBA ♂ and a ♀ (From CV2) $\frac{K/O-LP}{}$

30 Mar 1345 Bird in hole at tip top of 886 nest snag. The only way to get to it is oriole ladder + ladder.

31 Mar 1420 Bird in hole.

2 Apr No one in hole

3 Apr 1020 ..

8 Apr 1555 Bird just above hole

10 Apr pm Hello hole - nada

11 Apr

12 Apr am

13 Apr 1730

16 Apr 1020

19 Apr 0745- Saw ♀ 1261, ♂ 5270. Several intrusions. Didn't watch close enuf for any hints.

27 Apr pm Hello holes - nada

8 May 0740 " " Pat: saw a bird at the hole yesterday (and intrusions). Intrusions today too. Watched a bit and got a hint to the high central hole.

21 May 1300 Bird in hole - I flushed it & thought I heard babies.

23 May 0900, 0920 No one in hole

30 May 1830 Bird in hole - I flush it & hear nothing

CV2 16 Apr 1989

egg #	1	23.6 x 19.0 mm	5.7g
	2	23.35 x 18.55 mm	5.3g
	3	23.6 x 19.05 mm	5.7g
	4	24.50 x 19.3 mm	5.95g

1989 M. Stanback

2

M. Formicivorus

Mill

HN/HR

5 June 1515 Heard babies for sure (@ 1 wk old or more)

13 June 1100 Set vertical ladders (double) w guy lines. It worked

1769 83 18.4 25.5 40.7 15 27 ^{no} chr Pink

1770 76.5 17.1 28.5 35 19 25 ^{no} chr blue

Set ambush (but not spring set) for roosting ♂

18 June 1430 set blind for a babyhead watch

1655 - 1715 Watch ... babies not sticking heads out during Feeds yet. Moved blind to CV2.

1990 M. Stanback

M. Formicivorus

MILL

HNHR

- 15 Mar Installed nest chamber in granary. Entrance hole not quite big enough - I'll let the ACW's finish it.
- 11 Apr 0815, 0845 Hello - nothing. No work on entrance.
- 17 Apr Hello, nada - no work on entrance.
- 26 Apr Mike reports bird flushed from hole & sure enough, it did when I came over. They're chipping out a chamber - nearly done! Yipee! So it works!
- 3 May 0915 Bird in hole when I hello.
- 7 May 1600 It happened - after @ 2000 climbs, I had a Fall. Thank Ford for webbing. I fell @ 5 feet, upside-down, & hit a big branch. Elbow hurts 4 incubated eggs. Put up a new string (so no free-climb).
- 14 May 1300 RF = 8.55, LF = 4.2, RR = 7.2, LR = 5.2
- [21 May See Walt's notes for unfortunate incident]
- 22 May Hearing that the 2 survivors weren't doing well, I added the 4 aviary babies to Mill and took the 2 kids here to the aviary (1500). They appeared fine at 1800. (Prior to 1500 I fed & warmed them up) The 2 babies that died in the ambush yesterday included the runt, whom Walt said was not looking especially good.
- 29 May Blue dead, runt skinny (removed to stuff), banded bled P & DP. See cap res ¹⁸⁴³₁₈₄₄
- 30 May 1630 Returned runt to nest, WRP = 71.5, MDP = 72.5, Fed all.
- 18 June 1000 Some wierdness here - chasing, drumming, fighting. Saw ♀ RWB(?) = 1683^{CV2}, ♂ KR = 1832, ♂ RWRW = 1843, ♂ BWB_{OD}
- NOBA ♀ drumming WRLP = 1843
- 20 Apr 1991 Remove artificial cavity

1989

M. Stanback

1

M. FormicivorusCV2H/HR

Dec 88 Acorn Count: 10,000

28 Jan Ambush in CV2A nest hole. 1 NOBA ♂ (5319), now
RW/n (1680) other birds in rotten horiz limb?
DB/KWNDidn't get much blood. Bleed again!17 Mar 0950 Hello'd holes - nothing. Saw NOBA ♀ (5199 or ⁵³²⁰)

20 Mar 1100 Hello holes - nothing. Saw NOBA ♀

Roost watch - bird in ravine rotten horiz hole on arrival

22 Mar 1035-1050 Spy - nothing.

24 Mar 1040 Hello - nothing.

29 Mar 1445-1545. Spy - not even any birds.

31 Mar 1430 Bird in hole !!! In the bottom of the holes
above the snag (newspaper hole). I weigh the altern-
atives & decide to ambush. Set ambush at both
of the 2 holes (peep for eggs: saw nothing). 4 ^{birds} in1 Apr Ambush! 4 birds! Fucking A. 2 Fresh eggs!
Well, at least it will be good plasma data. Caught
both NOBA ♀♀. 5199 now = 1682 = $\frac{RW}{Y|RO}$. 5320 =1683 = $\frac{WDB}{n} / \frac{R \cdot LB}{w}$ = worn Feathers = Helper. Alsocaught 1372 & 1375. Let's hope they don't
abandon. 4 birds in nest w 2 eggs - that's
incidental incubation! 1682 & 1375 1 put dot on head.

pm. Patty did 3 hr watch - no show

roost watch: Lynn - no show

2 Apr 1300 - 1530 Nest watch. 1325 - 1401 NOBA ♂ in hole.

1457 - 1516 ♂ 1680 in nest

3 Apr 1100 Bird in hole on arrival. Climb - still 2 eggs -
so the ♀ must have started a new nest.

1989

M. Stanback

2

M. FormicivorusCV2HNHR

8 Apr 1545 Climbed - empty! and a little grass in there. Starlings? Broken shell below nest

10 Apr pm Hello holes - nada

11 Apr 0845 " " , but bluebird people here all am, so...
0900 ♂ RWM (1680) in top of granary w NOBA ♀!
Another helper? Breeder?

12 Apr 0945 - 1000 Spy. Hints toward Dark. I then looked for holes - nothing. Damn.

13 Apr 1740 Hello - nada

14 Apr 0720 Aha! Bird in CV2A 88 hole!

1600 climbed. 4 eggs. Semi-Fresh? (can't tell)
I tangled the tree

16 Apr 1600 Climbed, set snake net, and set blind. Still not #1

#1 23.6 x 19 5.7 g

upagne

2 23.35 18.55 5.3

3 23.6 19.05 5.7

4 24.5 19.3 5.95

17 Apr am watch. Patt: reports only 1 ♂ incubating (the only bird)

23 Apr Not hatched yet (climbed). Set blind.

26 Apr 1600 RL = 3.85, LL = 3.3, RW = 5.8, LW = 5.0, BW = 5.8
(BW came from lab)

27 Apr 0715 Added in LWB (Buck) and RWB (Chongo, but who spent the night in Buck)

28 Apr 1030 LL = 3.5 (then I fed him), LW = 9.2, RW = 10.4,
RWB = 6.1, LWB = 9.0, RL = 6.5. Removed LW
+ RW for ~~BWBK~~ BKOK.

29 Apr 0845 LWB = 12 / RWB = 9.6 / RL = 9.9 / runt 5.9 (then fed)
Left runt in, took other 3 to BKOK.

1989 M. Stanback

3

M. Formicivorus

CV2

H/VHR

2 May 1000 Climb - empty. Damn. Now 2 things could have happened: 1) they Freaked out when I stole the babies and wouldn't Feed the runt, 2) the nest was depredated and thus I should be happy I got most of them out. Regardless, with this Failure, I can kiss this nest hole goodbye. It was a great & easy one, & God knows where they'll re-nest.

8 May 0745 Hello holes - nada

12 May 0830 Bird in high open hole (87) in 'holy' tree.
0930 5 Fresh eggs!

23 May am no one in hole when set blind

1400 Climbed.. empty! That's the 3rd Failure for them.

* * Group Update * 5199 now 1682, 5320 now 1683.

30 May 1845 Hello holes - nothing

31 May 0810 " "

5 June 1530 " "

14 June 0930 Hello holes - nothing. Removed snake net.

18 June 1415 Found nest! In 89a hole. Babies - @ 1wk old?

19 June 0800 $R = 39.8 (13.35) / \overline{DB} = 40.5 (14) / \overline{LG} = 38.5 (13.95)$

"-": $29.8 (12.3)$ ¹⁷⁸¹

¹⁷⁷⁸

¹⁷⁷⁷

♀ 21 June ^R 1415 52 14.82 3 1 took - + R

♂ B 52 15.8 4

♂ G 51 15.88 3.2 1.5

- 41.9 14.15

1989

M. Stanback

M. Formicivorus

4

CV2HNHR

♂ 1 July

1530

G

77

20.81

22

50.5

17.5

34

77

1777
to aviary

♂

B

80

21.12

26

55.2

18.5 35

81.5

1778

♀ 1 July

1700

R

80

18.88

22

44.5

19

32

71

in aviary

-

66

18.5

16.5

31.5

13

21.5

55

in aviary

3 July

1400

-

76

18.7

21

40.5

16

27

65.5

yellow-avian

♀

(R)

86.5

19.4

21.5

54

18

38

80

pink

♂

Painted head of 1777 green

7 July

1700

64

21.3

25

63.3

14

40

88

to CV2

banded as

 $\frac{m}{m} \frac{mv}{mv}$

M = 902 - 23065

* * Group Update * 1781 added to Fieldlist (had failed to earlier)

1375 was only ♂ to incubate ∴ only breeder here?

(1375 + 1372 banded as adults after a year of neglect)

1990 M. Stanback

M. Formicivorus

CVZ

H/NHR

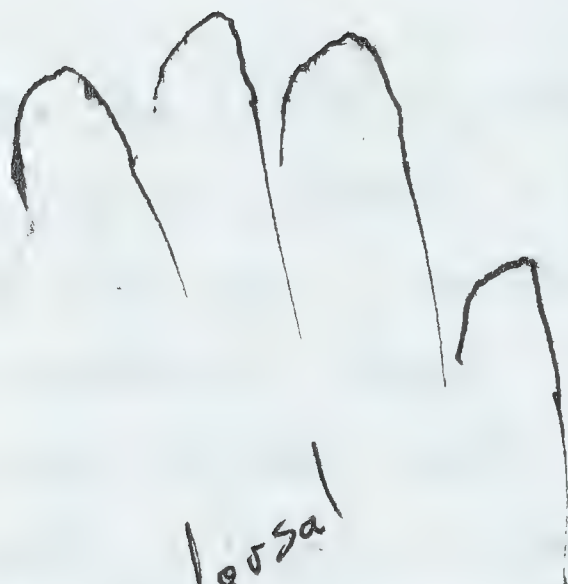
- 11 Apr Hello - nothing.
17 Apr pm Hello - nothing
21 Apr 1200 " "
26 " " "
3 May " "
14 May 1330 Feathers (ie death) all around the 89 last hole.
Underneath I found a wing (I think an adult -
it's not brown (r see back for shape)
15 May 1300-1400 Spied for nestiness. No luck. I saw no
Flycatching. Birds tended to leave granary toward DKHW,
but N small. I looked & found nothing.
18 June am spied on & off, hello'd holes - nada. 9 1683
seen at Mill - Dark.

(1991)

- 16 Apr Hello holes - nothin
27 Apr 1430 Spy 15 min, then hello holes - nothin
2 May 0830 Hello holes - nada. starting nest somewhere in
traditional tree.
9 May 1330 Spy 15 min - nothing. when I went up to
hello the "hol," tree, a bird Flushed suspiciously
from the uphill side.
4 June 1415 Hello'd holes - nothing

left
wing

dorsal



1988
1989

M. Stanback

1

M. Formicivorus

DKHW

HNHR

6 Dec⁸⁸ Acorn Count: S tree 500 } 600 total
(saw NOBA ♂) N tree 100 }

17 Mar 1015 Saw NOBA ♂ (5326). No other birds seen. Hello holes - nothing. NOBA ♀ arrives. I'm pretty sure another bird came too. More goings and comings. A ♂ + ♀ sighted over 'tween Blm 3 + Far Knoll slope. My guess is 2 ♂♂, 2 ♀♀? (One of the birds earlier flew toward OKCO). So.... there are acorns stored on "Far Slope", and birds too, at least 1 ♀ (NOBA seen) and 1 ♂ (NOID). If I had to guess, I'd say just 2 birds, but maybe 3. What's the relationship with Blm 3, DKHW, RAIN?

* See "KIRT" notes.

** * Group Update ** 1035 disap 881101 + 3 W. Group now supposedly comprised of 1 NOBA ♂ + 1 NOBA ♀. We'll see. *

20 Mar 1130 2 ♀♀ here (no id)

24 Mar 1100 NOBA ♀

11 Apr 0900 NOBA ♀ + NOID ♂ here. Saw what seemed to be an interaction w Mill bird. Is Kirt separate?

14 Apr 0700-0715 Spy. Got a hint toward the 88 hole (but nothing when hello later) Also, 2 birds flew towards Kirt.

19 Apr 0650-0710 Spy. Lotsa karrits but little movement. No hole action (Patti watched here the other day + got nothing)

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2

M. Formicivorus

DKHW

HNHR

- 27 Apr 1745 Yippie. Found nest! In lower left of the 3 W-facing holes (of which 88 is the top)
- 28 Apr 1600 String breaks, and I left mine in the shed. No one in hole on arrival though.
- 29 Apr 1430 Finally get a new string set, check hole - empty but some (not a lot) Fresh chips. The 88 hole had an old mouse nest (I removed it) The door on the 'new' hole is kinda shot.
- 4 Apr 1600 I spy for a few minutes & notice a bird at the 88 hole.
- 12 May 1000 Both holes have Fresh chips but no eggs
- 21 May 1200 Bird in 88 hole on arrival. Climb, but its empty. I peep the hole below it - am I mistaken or are the chips gone.
- 31 May 0830 Climb - 88 hole empty (not many chips, no shit) Other hole also empty. I hereby give up on them.
- 3 Jun Roost watch. About ~~1915~~ 1915 a bird came out of the 88 hole & flew off - no other birds seen or heard after.
- 14 June 0910 - 0920 Watched From Far. No birds to holes. Starlings landed pretty much at the hole but no one came.
- 19 June 0830 Hello holes - nothing. No acorns
- * * Group Update * No acorns ever stored here this fall, so I'll consider them abandoned 890800 ± 2M (5326, 5327, 5332)

1989

M. Stanback

M. FormicivorusOKCOHNR

Dec 88 Acorn Count : 2000

Mar 17 1000 Hello holes - nothing.

1100 ♂ 1638 (long missing from OKCO) seen at Far Slope (no man's land tween Dark, Blm 3, Blm 2, and Far Knoll) with a NOID ♀ and maybe others.

* * Group Update * 849 disap 881124 ± 3 W
1638 moved to KIRT 881124 ± 3 W *Mar 20 1110 Saw 1637 (MK) and 2 Y ♂. No one in 88 hole.

24 Mar 1050 Hello holes - nothing. But a new hole in 88b tree

8 May 0750 " at 88a tree - nada.

12 May 0840 Bird in the new hole in the 88b tree !!
The hole is below + to the right of the 88b hole and is under a little overhanging stub.

1015 Climb, Fresh chips but empty. What's up?

21 May 1215 Hello holes - nothing.

30 May 1845 " "

* * Group Update * ♀ 1531 + 1533 moved to PHF 890309 ± 2 W. We think. Some males could have gone too. It was a mess there - 2 nests.

5 Oct Donna saw 1391 + 1641, and also ♂ ^{M R & R}_{K-Y/LG}

* * Group Update * 1638 returned from Kirt 890900 ± 2 M. 1394 dis 890702 ± 1 W; 1391, 1641, 1638 returned

1990 M. Stanback

M. Formicivorus

OKCO

HNHR

- 18 Feb 1630 Saw 6 birds (no 10 w ml)
11 Apr 0820, 0840 Hello holes - nothing
17 Apr Hello - nothing.
18 June 1100 hello - nothing. The sycamore dropped the scary limb
18 Sept 1615 7 WK (?) and 2 males

(1991)

- 27 Apr 1430 Nancy sees 4 birds in sycamore
9 May 1350 Hello holes. That sycamore is falling apart. And now the traditional hole in the granary is a dead limb.
4 June 1430 Hello holes - nothing.

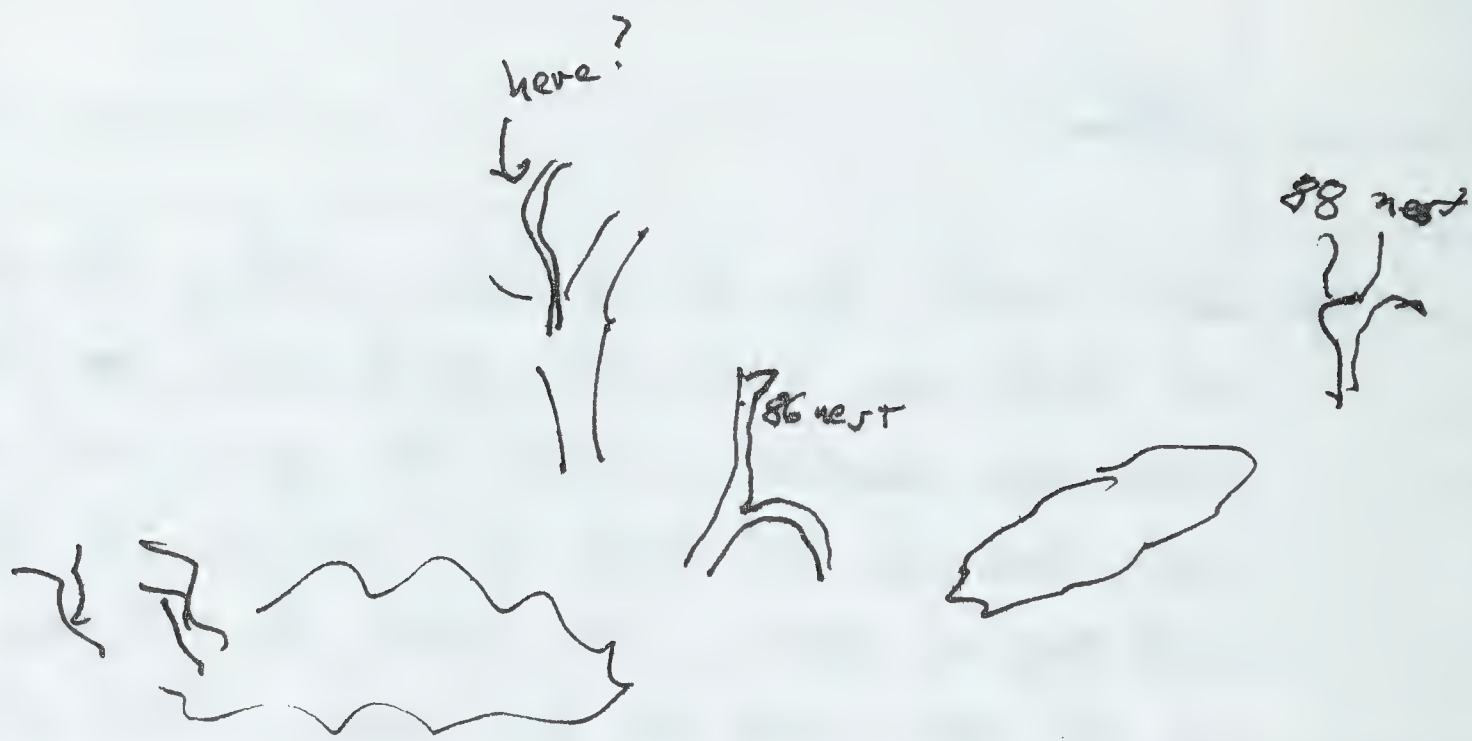
1989

M. Stanback

1

M. FormicivorusPHFHNR

- 6 Apr 0930 - 1015 Spy for nestiness. Nothing too definite, but at least one visit (I'm pretty sure) to the 88 hole. They also repeatedly visited the upper part of the big tree on the back hill (behind the 86 tree). See map on back. I've hello'd the 88 hole 2 ~~or~~ times in the last week or so - nada. Patti did a spy watch there too - nada. Maybe they're just getting going. They have alot of acorns & @ 6 birds. I then hello holes - no one at 88 but there is a hole where I saw birds visiting on the back hill - and there was a bird sitting right below it. 1400 climb \uparrow hole - incomplete - and it doesn't really look completable. I also climbed the 88 hole (ants!). There are some feathers around the entrance, some fresh chips too. Looks good!
- 10 Apr 1600 Climbed 88 hole - empty
- 13 Apr 1700 " "
- 18 Apr 1630 3 normal Fresh but warm eggs + 1 runt egg. I removed runt egg.
- 28 Apr 1730 Bird in hole: climb - still 3 eggs.
- 1 May 1000 BW = 9.5 / BL = 9.75 / WLB = 7.85. BL into UAZ, others into Big T. I replaced \uparrow w the "McF1" old runts (ie from Big T). No all 3 into Big T
- 2 May 1530 Removed the 2 kids to Plge, put in the big kid from UAZ. (bill 10). Set snake net + blind.
- 3 May 1130 big = 24.3 (10.9), runt =
→ where from? PHF



1989

M. Stanback

2

M. FormicivorusPHFHNHR

4 May 0600 big = 28.5 (10.9) $r = 3.95$ (thoug I gave him about 1 g of Food afterward.

1645 35.3 $r = 4.85$ (no Food)

5 May 1600 39.5 (13) 6.6 but they're having a power struggle, so I took out the runt to away?

15 May 0930 81 19.6 16.5 19.1 13.5 17.5 47

22 May 0800 92.6 23.3 28 59 26 43 87

Tried to figure out who the ♂♂ are here - didn't have much luck - the most likely candidates are OKCO 1636, 1641, & (maybe?) 1532. But we need to ambush PHF & census OKCO.

18 June 1500 - 1530 Census: ♀ $\overline{MW} =$, ~~♂ \overline{MW}~~ $\frac{D-W/M}{M-V/K-LB}$
 $=$, ♂ $\frac{D-W/LB}{M/MV-LB}$. I noticed them going to

the 85 tree suspiciously (& with Food) ~~checked~~ but could hear no kids. After census I went to the 89 tree & heard new babies! I went back to Hastings for equipment, returned, & cut open this new w facing hole. Hatched yesterday 1600 $RL = 7.3$, $LL = 4.55$, $RW = 6.9$. 1 unhatched egg (looks fertile). nice timing! However, as I was leaving I saw a bird in a new hole in the 85 tree and heard babies (10d?). What's up? 2 groups? Set a blind at 89 tree and will set one at 85 tree & watch tomorrow

19 Jun 1300 All dead by ants. RL died minutes ago in the incubator $RL = 7.0 / RW = 6.6 / LL = 3.99 / r = 2.99$. Liver samples, also formalin samples. Well damn. What a waste. I was

M. FormicivorusPHFHNHR

(19 Jun) counting on being able to use these guys in the aviary nest. But now wasted on ants.

1500 / cut open PHF b (the one in the 85 tree).

D = 53.5 15.3 6 6 4.5 6.5 29 ⁺¹

LB 63.5 15.3 6.5 6.5 6 7.5 30 ^{Egg}

I removed the snake net from PHFA and put it on PHFB

3 July ⁰⁹⁰⁰ 0 89.5 21.85 26 76 16 52.5 103 1779 ^G

B 93.5 21.65 25 77 15 55 105 1780 ^P

13 July am Daniela Found dead WEat baby beside road at PHF!
Actually, it was closer to RadioActive

* * Group Update * A mess: PHFB is ♂♂ 1614 r 1616 From CVGR + ♀♀ 1531 r 1533 From OKCO. PHFA is a mystery - probably (but not sure enuf) ♂♂ are OKCO, no ♀ was ever seen. My theory is both ♂ r ♀ came, there was incest, then CVGR came and the ♀ went with them, but one still needs to explain PHFA-b nest.

• CVGR ♂♂ 890310 ± 1 M, OKCO ♀♀ 890309 ± 2 W.

Lynn also saw ♂ M/R

* * Group Update * 1613 From CVGR to PHF 890500 ± 2 W

1990

M. Stanback

1

M. FormicivorusMPHF (U, M, & L)HNHR

UPHF ↓

FR clip

3 May 0930 Mauve = 11.3, — = 9.0, — = 9.0, r = 6.6 FL clip ^{trust} egg


22 May Banded 4 kids. See cap recs. Plenty acorns still stored.

23 May Added 1829 From avi to nest^{MPHF} (was G) = 1806

MPHF 19 May 0800. RL = 11.1, LL = 7.6, RW = 10.4, LW = 9.6, — = 3.5 → 1 day old

(1991)

26 Apr 1100 Spied a while at M & L, hints to a live tree at L, but it was just sapsucking. No interest in 90 hole. Helio'd holes at U, M, & L: nothing.

27 Apr 1530 Spy. Hear an alarm call & LPHF ducks into the horizontal hole facing the road.  MPHF goes into 2 holes in the "ladder" tree. One is open (high) & the other is about 5 feet below it, both facing uphill. The lower one had 2 birds in it, the higher just a bird sitting outside it. After the all clear, several birds went to the lower. I climbed both. The lower had shit in the bottom, the higher was cleaner, but didn't seem too nesty.

28 Apr 0945 Climbed nest (Thanks Walt) & Found 1 egg. Couldn't reach it (even widened the hole)

2 May After changing nest holes and ~~some~~ egg tossing, they finally both lay in a new hole. Danny does pm watch, I roost watch. Eventually just 1 bird in (not a popular hole - the one above was crowded. Bitter starling was. One wanted in a hole in the tree beyond & the ACW's fought tooth & nail (grappling to ground!)

	516	6.3	6.2	6.8	6.6	5.3	4.1
	518	11.5	11.8	11.8	11.1	10.4	7.4
MPAF	521	19.9	19.5	20.8	19.8	16.5	12.3
	529	60.6	67.8	67	68.6	60.9	48
		DC	LG	DB	W	O	-

		O	MV		
	521	11.5	12.8	4.2	3.4
	524	24.8	23.7		
	527	43.9	42.9		

1991 M. Stanback

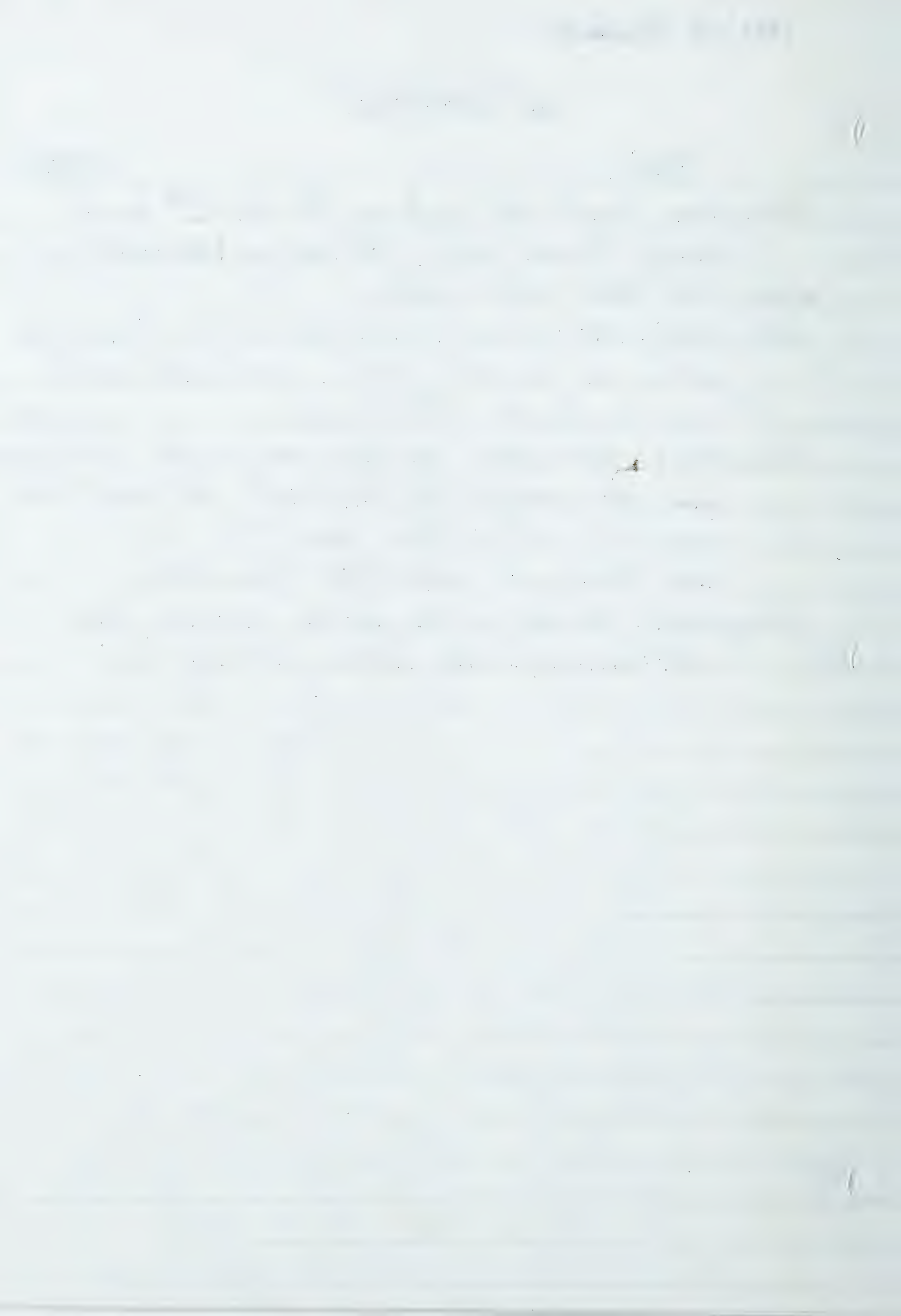
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M. Formicivorus

PHF

HNHR

- 3 May Danny reports 80% incub on this the 2nd day of laying! Far out, dude! At least one bird roosted in.
- 19 May 1430 Hello'd UPHF - nothin.
- 19 May MPHF: 1530: $O = 13$, $B = 15.4$, $GH = 15$, $G = 16$, $BH = 14.8$ and has a cut, $OL = 9.4$, $r = 4.6$. Walt climbed yesterday + put in cardboard. I left it inside.
- 3 June MPHF: Nest ambush. ~~at~~ 0730 - 1000. Caught 1779^{at 0815} (whose bands were wrong on the Field list) No other birds went in so I quit for lunch.
1300 Start again, catch 1780 (see cap rec)
- 6 Aug MPHF: valley oak, live limb, new hole, 19 ft high, 340°
LPHF: valley oak, live limb, new hole, 12 ft high, 15°



1989 M. Stanback

1

M. Formicivorus

WGAT

HNHR

Dec 88 Acorn Count : 1900

22 Mar 1430 ♂ in 88 nest hole! Ugh!

27 Mar Bird in high hole - Walt sets ambush.

13 Apr well, yes I've helled before 2-day. No one in either hole
On 11 Apr a bird was at the high angled hole
(toward S'bergs)

19 Apr 1100 Hello - nada (nor on days since 13 Apr)

20 Apr 0715 - 0730 Spy. Several birds went to a spot
in a live oak S of the sycamore. I'll bet a nest.
1200 You lose. Seems to just be sap holes.

26 Apr pm bird at high hole

27 Apr pm Walt checks hole : 7 Fresh eggs

not 6 May
~ 4 kids

28 May 1700 Walt band
1740 88.9 21.1 26 68 24 41 93

1741 84.6 21.2 24 54 19 34 83

1742 88.6 21.5 28 63 19 40 88

1743 82.2 22.8 23 53 17 35 84

5 July 0955-1055 Saw 1688, 1106, 1313, 1664, 1740.
1688, 1106 (B's) & J 1740 looked into the high
NW hole, but never entered. (Lynn had seen a
B ♀ in there the other day)

13 July am Daniela Finds Fresh dead baby 1743 on road at

actually RadioActive → PHF !! This means juvs do go on Forays! Morpho-
logically I'd say it's a male. Wow. Culm 26.94.
chond ~ @ 140 (kinda stiff), tail 80.

29 Sept 1520-1600 : Saw 1106, 1664, ♀ 1741, ♂ 1742

* * Group Update * 1740 disap 890811 ± 1 M

1991 M. Stanback

M. Formicivorus

W Gate

HNHR

22 Apr 1330 Bird Flashes From high hole overhanging road

1530 Bird at same hole

23 Apr 0745 Hello - nada

1100 " "

24 Apr Danny says he saw a bird at old hole

25 Apr 1645 Bird in 90 nest hole

26 Apr 1015 " at " "

27 Apr am. Hello - nothing at either

28 Apr Saw a bird at road hole

1 May 1330 2 birds sticking heads out of the cut-shot
W-facing holes in the branch over Martin road
⊙. This is at Gate mind you!

5 May 1600 Bird in road hole

(1)

18

15

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1989 M. Stanback

1

M. Formicivorus

GATE

HNHR

- Dec 88 Acorn Count : 300
- 22 Mar 1425 Hello holes - nothing
- 27 Mar " "
- 6 Apr I've been helloing holes here about every day - nada
1515 Hello - nada, but the hole (lowish) facing CVR
looks worked on.
- 13 Apr pm Hello - nada
- 15 Apr 1715, 1730 Hello - nada, though it seemed a bird flushed
from a high hole in the dead limb overhanging
CV Road (but its so skinny)
- 19 Apr 1100 Hello - nada
- 20 Apr 0735 - 0750 Tried spying, but they left when I showed.
- 23 Apr 1600 Walt hello's hi hole - gets bird - no fair!
- 27 Apr pm Walt sets new string & climbs. 3 fresh eggs.
- 13 May 0915 I climb, but no babies - just 1 fresh egg (#1 ^{by me})
I need to make sure Walt #d on 27 Apr (but I
don't an egg from then would look that fresh. I've
noticed ~~was~~ helloing recently that no one's been
in the hole. Oh yeah, and I dropped today's egg @ 2 inches
to the floor of the nest. No damage, just thought I'd
mention it.
- 16 May 1030 Bird in hole.
- 28 May 0800 RL: 9.9, LL = 10.2, r = 5.75. Egg #1 not
hatched - has crack in it - however I'm not sure if
I'm to blame, since it looks like it died late in
development.
- 31 May 0700 $R_{\text{eff}} = 20(9.25) = KPN / L = 20.3(9.45) = Y / r = 12.2$

σ M

1989

M. Stanback

2

M. FormicivorusGateHNHR

6 Jun 0800 Y = 52.5 (15.8) / N = 52 (14.5) / - = 38 (13.65)

13 Jun 0715 65.5 17.5 11 13 7.5 11.5 37 (2)

Y 75.8 19.55 16 20.5 10.5 16.5 48 "(2)"

N 74.8 18.15 19 2.5 11 19 53

↑
not
as
much

18 June 0900

N 78.5 19.95 26.5 51.5 17 34.5 80 blue

- 76.8 19.75 23.7 38.7 15 28 66.5 pink

Y 83.5 22.1 22 47.5 16 31.5 76 yellow

7 Sept 1000 Saw 8 1454

29 Sept 1500 - 1520: Saw 1453

5 Oct Found mummified 1772 below nest. Died bef fledge.

* * Group Update * ↑ 1578 disap 890725 ± 5w,
1773 NSAB 890725 ± 5w

1990

M. Stanback

1

M. FormicivorusGATEHNHR

18 Feb 1025 Saw NOBA ♂, ♀ 1453, ♂ 1454

* * Group Update * 1771 disap 891102 ± 1M

11 Apr am hello high hde - nothing

31 Aug

2200 Found J 1888 Fresh dead at w Gate on road.

Had no tail. 73 g, ch = 140, culm = 26.3

Dissected, 1888 is a female. Also had a big glob of fat attached to the caudal portion of the stomach about 1 cc. I removed it and put it in alcohol, along with the small intestine.

3 Sept pm Stromberg Finds J 1887 dead on road - smash. No sex dissect possible. Bill = 26.3

5 Oct 0830 - 1000: Saw 1453, ♀ 1891, ♂ $\frac{w}{n} \frac{LB-w}{LB-w} =$ ♂ $\frac{y}{m} \frac{m}{m} \frac{0}{0} \frac{0}{m} =$

1991

19 Apr

1000 Hello holes - nothing. It seems Gate is no more

1991 M. Stanback

2

M. Formicivorus

GATE

HNHR

see WDK notes

14 May 1630 Still just 3 eggs.

29 May 0645 3 kids (2 big & 1 runt). I removed the runt and added the 3 "Foreign" babies from Mt Hamilton. 1 Gate kid was 68g, 18.7 bill, 43, 15, 16 (hey, what are those 3 numbers?) : ~~NO~~. I put Gate runt (w) into the aviary with Mt runt.

4 June Roost Watch. M into hole (1513, presumably)
(Eventually put Gate runt into Pipe)

1989

M. Stanback

1

M. FormicivorusPIPEH N H R

Dec 88 Acorn Count: 1300

20 Mar 1630 Saw 5 birds, 4 sat together (ID'd 1446). I'm going to consider it a Full census! (1446, 1447, 1595, 1596, 1597)

22 Mar 1440 Hello hole - nothing.

27 Mar 1200 Saw 1595, 1597, 1596 Hello holes - nothing.

6 Apr am Patty reports no interest in holes

13 Apr 1500, 1600 Hello - nada

15 Apr 1715, 1730 ~ ~

17 Apr 1800 Bird in hole !!

18 Apr 1300 4 opaque eggs! Can barely reach ^{one}, needs chips.

22 Apr 1030 Still eggs. Added chips to make hole shallow.

23 Apr 0900 Still eggs, but they cried when I covered the hole.

24 Apr 1200 Stole runt to put in Blm ~~1~~ ^{slit}

25 Apr 0930 RW = 6.6, LW = 7.15, B = 5.2. I stole RW + B to put into Blm 1.

26 Apr 1300 The kid in there (LW) = 11.9. I stuck in 2 new kids, belly (CV1) and a Blm 1 kid (5.8). Blm 1 isn't looking good. (Has ink on head)

(Lynn reports that the Feeding rate decreased after I added babies - spent more time brooding!27 Apr 1315 belly is alive but declining, Blm 1 gone. Pipe Kid = 16.4 ^{LL}. I added Blm 1 RL = 15.35

28 Apr 1500 RL = 19.7 (9.3) = Y / LL = LP = 18.5 (8.95)

2 May 0930 Y = 36.9 (12.2) / P = 34.5 (12.6)

6 May 1600 Y = 63.5 (15.3) 4.2, 5.5 / P = 68.5 (16.05) 7, 8

Also stuck in K From BKOK.

13 May 0730 Y 71 19.25 20.2 35 14 24 62 w tipped wing & tail

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1989 M. Stanback

M. Formicivorus

2

PIPE

HNHR

(13 May) P 72.7 19.65 24 37.5 16.5 31 65.5

K 58.5 19.4 11 23.3 10 18 47.5

(2)

band

17 May 1700 $K = \frac{K/m}{LG-W/PB} = 94215889$

$Y = \frac{Y/DB-LG}{m/R} = 882$ LP $\frac{KPN/LG-0}{m/LP} = 888$

20 May 1730 Y 78.5 21.95 20 74 20 50 100 Y ramp

P 77 22.1 23 76 14 54.5 102 K P ramp

K 82.8 22.5 26 60.5 14.5 41 86 G

* * Group Update * 1596 disup 890315 \pm 5W

2 Jun 1045-1125 Baby watch - saw no babies. Saw 1447, 1446, 1595, 1597. Heard juvs.

18 Jun 1745 Saw ♂ 1597.

14 July 0930 ♀ 1595 intruding at LHay.

1 Sept 0830-0950 Census: only one bird came to the granary
♂ MY: I think it was J 1690

7 Sept 0700-0930 Census: 1446 (black sox), 1595, 1689 (♂), 1690 (♂), 1691 (♂) and has white wing tips (I think he's it) saw all these birds repeatedly.

Nov * * Donna reports that 2 of the kids are ♀♀ () and only 1 is ♂ (). Thus post fledging conditions (acorns?) does influence time needed to molt, for Buckeye kids (same age as Pipe kids) were well enough changed by 7 Sept!

* Group Update * 1447, 1597 dis 890725 \pm 5W, 1446 dis 891006 \pm 1M

1990

M. Stanback

M. FormicivorusPIPEHNHR

18 Feb 1050 Saw 1689

11 Apr am Hello holes - nothing

25 Apr Power Struggle. As I prepare to set nets (0900)
 2 birds tumble out of the tree. I catch them
 both! (1689 & Gate 1582). Bleed. Philip puts
 radio on ~~1689~~. 1689, (who gets eaten sev days later)

(1991)

19 April 1010 Hello holes - nada

23 Apr 1030 " Walt finds

30 Apr 1400 Bird at new hole on back side (high). I climb
 & cut - empty.

4 May 1015 1 Fresh egg! Nest watch.

Roosting: 2 birds into nest hole

10 May 1540. 4 eggs.

20 May 1330 13.8, 5.3, 3.7 → on death's door... removed
 For tissue sample #1916. One egg not hatched (dead)
 25.15 x 20.7. Removed.

9 June 1600 Banded the 1 kid here¹⁹⁷⁶. Added the Gate kid from
 the aviary (1977)

1989 M. Stanback

M. Formicivorus

WOLF

HNHR

Dec 88 Acorn Count : $500 * + 200 = 700$

* Group Update * 1123 disap 881031 \pm 1M, 1548 disap 881031 \pm 1M, 1550 " " " . WOLF

lost its high snaggy sycamore holes during either the Dec or Jan snowstorm. Lost some acorns too.

20 Mar 1630 Hello holes - nothing.

22 Mar 1440 H " "

5 Apr pm " "

6 Apr 1520 Aha! Bird at new hole, S Facing, just below where the chunk broke off, (below the false hole)

11 Apr pm Hello - nada

13 Apr pm " " . They have acorn stores in the tree behind the sycamore : @ 200

15 Apr 1715, 1730 Hello - nada

17 Apr 1800 " "

18 Apr 1300 Bird in hole (both times / walk by)

1530 Climb, cut open (from back - where it's dead) & Find 3 Fresh eggs.

Roost watch : 1 bird in

27 Apr 0845 4 eggs : all look good

1 Apr 0900 Damn! Nest depredated! No mess inside - snake? But it's a sycamore - they're supposed to be predator proof. (but it is a leaning sycamore) Time to hang more snake nets!

3 May 1630 Bird in 88 hole! (the low vertical snag)
1700 Still there

* 1715 Checked Wp 5 : all I saw was a resident Coopers

27 Mar wrp 5 nothing

1989 M. Stanback

M. Formicivorus

2

WOLF

H/VHR

- 9 May 1700 Hello hole - bird in there
- 10 May 1630 Climb hole - empty! What's up?
- 13 May 0740 Bird in hole
- 15 May 1000 Climb hole - empty.
- 17 May pm Hello both holes - nope
- 19 May 1100 Bird near 88 hole
- 20 May 1800 Hello both holes - nothing.
- 30 May 1900 Bird in hole
- 31 May 1730 No bird in hole - climb - empty, but a disturbing number of body & crown feathers.
- 3 June 1730 Hello holes - nope
- 9 July 0855 - 0910 Saw 1333 + 3 others
- * * Group Update * 1333 disap 890905 ± 2 m

1990 M. Stanback

M. Formicivorus

WOLF

HNHR

18 Feb 1100 Saw 3 birds leave tree - Fly up toward Wrp 5
Since only 3 birds at wolf, its probly them.

11 Apr am Hello holes - nothing.

25 Apr 1330 Bird in new (89) high hole in sycamore.

6 May 1500 4 eggs : 1 = 4.55 (26.35 x 19.8), 2 = 5.1 (25.35 x 19.7)
3 = 3.9 (24.95 x 19.35), 4 = - (25.75 x 19.3)

9 May 1700: RF = 9.4, LF = 7.4, RR = 5.25, LR = 3.25

18 Sept 1300 ♂ 1336

1991

19 April 1020 Hello hole - nada, ♀ 1823 at Finch.

1700 Bird in 90 hole

20 Apr 1600 climb 90 hole, its full of water! I decide to
put Mill's cavity up where the old cavity is. I climb
up & check it & see a pygmy owl inside. Oh well.
live & let live. Before I leave I check the 88
(low snag) hole. ♀ sticking head out. Dog my cats.
Also a bird flushed from backside just below

21 Apr 0845. Peep the old nest hole & find batteries dead.
I open it - empty - no fresh chips. The new
hole on the backside looks good - will have
to return to peep.

1100 Peep - empty but looks good.

22 Apr 1530 Bird in new hole - peep - no eggs

23 Apr 1040 No bird in hole - peep - empty

25 Apr 1615 Bird in new hole. Peep : empty

26 Apr 1015 No one home. Peep : empty

1991

M. Stanback

2

M. FormicivorusWolfHVHR

27 Apr 0900 Peep. Empty. Bad peep at top hole.

28 Apr 1330 " "

30 Apr 1330 Bird at hole. Peep. Empty

1 May 1230 " "

4 May 1030 Peep. Empty

5 May 1630 1 fresh egg / 1

Roost: at least 2 birds

11 May 1230. Cut open nest. Ugh. 4 eggs. The peep is bad -
 was 5 May really FED? The door is missing
 from the hole just above the nest - couldn't find it.

20 May 1400 RL = 10.3, LL = 10.2, B = 6.0, dead egg

10 Swain Banded babies. See cap recs

20 June Driving by I hear/see a Lewis' sitting by the Wolf
 nest hole. I watch & see an ACW fly to him, he
 begs, and is chased off by the ACW (flies back to
 Road 1)

15 May

28

1989 M. Stanback

M. Formicivorus

RI

1+NIHR

Dec 88 Acorn Count: 1100

* * Group Update * 1464 disap 880925 \pm 3w.
1577 disap 881102 \pm 3w *

20 Mar 1620 Hello holes - nothing.

22 Mar 1445 " " Saw NOBA ♂ (5295)

27 Mar 1100-1130 Census: 804, 5295, 1573, 1574, 1575.
No sign of 1576 - others seen repeatedly. Kill her!

5 Apr pm Hello - nada

6 Apr 1530 ...

11 Apr

13 Apr " " " Hello'd ROWA too - nada

15 Apr 1715 " " " 1730 " " "

17 Apr Patty saw bird in high hole this pm (helper ♂)

20 Apr 1230 Looked everywhere on the E side

26 Apr I've been helloing everyday, but today finally did
get a bird in the 88 hole.

27 Apr 0830 No one in hole. 0915 Bird in hole

3 May 1200 Saw ♀ 1574 & ♀ MK () at Fuch!
There was activity here!

9 May 1700 Walt climbs hole - empty !! I'd been seeing
someone in the hole alot!

* * Group Update * 1576 disap 890121 \pm 1 M

30 May 1900 Hello - nada.

31 May 1800 " "

9 July "0830-0900" Census: Saw 804, 5295, 1574, 1573, 1575

29 Sept 1330 Census: 804, 5295, 1573, 1575

95 25
105 27
115 29
90 26
100 28
110 30

1990

M. Stanback

M. FormicivorusR1HNR

18 Feb 1100: 804, 1573

11 Apr am Hello creek sycamore - nothing.

28 ^{May} ~~Apr~~ 1400: 12.2, 11.3, 9.7, 8.31991

19 Apr 1015 ♂ in 90 hole - Flushed

1600 Walt checks hole - empty, but good shape

20 Apr 1500 2 birds Flush from hole

21 Apr 1110 Hello - nada

22 Apr 1530 " "

23 Apr 1050 " "

25 Apr 1620 " "

26 Apr 1030 " "

27 Apr 1015 " "

28 Apr 1300. Following up a report of a bird in the hole,
 I climb the hole (For the first time - a thrill
 I'm not eager to repeat). 4 eggs - semi-fresh.

9 May 1215 Set Roger up doing nest watch. Later find out E'beth's
 radio tracking here. So if visits are few, this why.

28 May Band babies⁽⁴⁾ & put 2 M. Lewis into nest!

20 June Lewis kid over at Wolf nest (see Wolf notes)

1991 M. Stanback

M. Formicivorus

1

Fench

HNHR

19 Apr Morne reports Fench Female found dead (hit by car?) put in freezer. I stop by ⁽¹⁰¹⁵⁾ & find a ♀ garrick's (twice) K-LB/LG (just a guess). She was in a tree by the road about 100 ft down from the bridge. She eventually flew (1025) downstream. ♀ 1823 from Woff.

20 Apr 1540. ♂ $\frac{O-W}{W-R/M}$ in granary, eating acorns. Stellar's Jays eating all of Morne's dog food.

21 Apr 0910 Garricks, some chasing here. Morne's Madgranary empty!

1100 ♂ $\frac{W-O/M}{?LB-K/M}$ at home here. He's friendly w a NOBA ♀.
 ?R

22 Apr Morne sees ♂ $\frac{W-R/DB-O}{W-R/M}$ & NOBA ♀

12 May Morne catches ♂ 1637 (OKCO) here visiting 1641, an old OKCO bird that moved to ROWA while back.

20 May 1415 Checked hole, empty.

9 June 1530 Dog my cats! 5 incubated eggs in the low hole!

11 June 1015 Still not hatched (just covered hole & listened)

15 June 1100 RL = 6.85, LL = 5.4, B = 4.7. 2 dead eggs (inf?) All 3 babies had bruises on their heads. Very strange. RL got his head stuck when in box, but I think he'll be ok.



18 June 1100 RL = $\frac{R-W}{W-R/M}$ = 19.7 (8.7) / LL = 17.3 (8.7) / B = 17.6 (9) = LG

21 June 1030 Cardboard, S = 27.8 (11.4) / 25 (11.3) / G = 27 (11.5)

6 Aug Nest site: sycamore, dead limb, used hole, 24 ft high, 180°

1989 M. Stanback

M. Formicivorus

Mac Flat

H/NHR

Dec 88 Acorn Count: 1430

* * Group Update * 1451 returned 881108, 1455 ^{±10d} disap 890122

20 Mar 1600 ♀ in high NW Facing hole in stupid sycamore over road. A ♀ with MLB Flew up From MacFlat area. Who? This is 1451, who, for some reason, didn't make it onto the Fieldlist, even tho I ~~killed off~~ added her into the computer. Question is, is 1455 really dead?

22 Mar 1450 ♂ sitting at same hole

27 Mar 1120 Hello holes - nothing

6 Apr am Hello - nada. Patti reports no longer interest in road hole.

1525 Aha! ♂ in 88 hole (lets hope they nest there)

9 Apr 1710 check 88 hole - Fresh chips, good shape, but too deep, so I add ^{lots} some chips. I found the mummified body of ♀ 1455 right below the nest hole. Must have been hit by a car in late Jan. (Nancy put it there!)

11 Apr 1800 Check - have taken out the real ACW chips.

13 Apr 1530 Hello'd all holes (except live oak) - nada

15 Apr 1720 Check hole - nothing (no new ^{ACW} chips)

17 Apr Patti saw bird in hole this pm. At 1815 I checked: a runt egg. Will watch tomorrow.

18 Apr 1330 Egg #1. But no one came in 3 hrs! Maybe if the blind is better hidden.

Roost watch: 1 bird in.

19 Apr 1540 Egg #2 (has no air sac). Removed runt egg. No visits for 3 hrs this am, but bird in hole on arrival and eggs warm. Roost watch: 1 bird into hole

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ADMISSIONS OFFICE

1155 EAST 58TH STREET, CHICAGO, ILL. 60637

TEL: 773-837-3900 FAX: 773-837-3901

1989

M. Stanback

2

M. FormicivorusMCFLHNHR

20 Apr pm Egg # 3 (bird in hole)

21 Apr 1230 No new egg! Bugger!

27 Apr 0815 Just 3 eggs folks!

30 Apr 1200 None hatched - all Fertile (pm = stuck in runts)
From Big T1 May 0900 Eggs 1 + 2 hatched. Removed Big T runts (1 is From another nest) Both weighed 6.7 (RW + LW)
I stuffed em both w Food. Then took to Wolf
(Also stuck in the Plge runt)

1800 Egg # 3 hatched recently. I Fed the kid.

2 May 0900 RL = 6.05 / LL = 6.75 / BW = 6.25 / B = 4.55
I Fed B @ 1 g Food. Put up a snake net.
pm Fed B again.3 May 1200 Fed B 1 g. He's still a runt!
1500 Fed B 1.5 g.4 May 1200 RL = 14.1 / BW = 12.2 / LL = 14.6 / v = 8.7
I then Fed the runt + added 2 "Plge" kids1715 RL = 15.6 / BWRL = 14.7 / LL = 15.7 / RW = 13.8 / LWB = 14.4
r = 10.4. I removed runt + put him in the aviary.5 May 0800 RL = 15.9 / BWL = 14.3 / RW = 13.3 + Food = 14.75 /
LWB = 15.8. Just measured these + took + ~~the~~ L Hay.
Aviary^{big} kids into McFl w LL. POW & ?

1700 G = 17.2 LL = 19.5 = B

8 May 0845 P = 43 (15.4) / O = 37 (13.7) / W = 46.2 (15)

10 May 1600 P = 53 (17.1) / O = 46 (15.4) / W = 57.8 (16.35)

15 May 1830 P 73 20.4 13.7 16 8 12.5 42 (2)

W 77.2 20.15 18 20.7 11 15.5 47

O 60 18.15 16 20.5 10 broke 46

⤵ is having difficulty breathing (panting, wet noises)

02776

1989 M. Stanback

M. Formicivorus

3

MC F1

HNHR

18 May Walt takes a snake out of the net

19 May 1115 P 91 22.2 20.5 36.3 12.5 25.5 65 (2)

O 72 19.7 23 39.5 11.5 24.5 66.5

W 85.2 21.65 24.5 40.4 14 29 68

I added K From Plge

21 May 1600 O 74 20.85 24 51 13 30.5 79.5

P 86.8 23.45 24 49.5 15 32.5 77

W 81 22.85 23.5 52.5 13 35 81

K 77 22.25 22 46 15 32 73

25 May 1700 NP 88 25 93 26.5 68 16 42.5 Purple

1707 GKO 63 22.3 93 22 66 17.5 37.5 G

1711 MN 81.5 24.05 98 24 71 16 46.5 K

1712 KPK 73 23.25 90(?) 24 65 18 42.5 Pink/or no fore

31 May 1745 Baby in hole + snake on trunk. He's very tangled, so I cut him out + take him home.

14 June pm Removed snake net. Released snake after several climbing trials. It seems sycamores are practically unclimbable.

21 Sept 1330 Saw 1545, 1546.

* * Group Update * 1709, 1710, 1711 NSAB 890721 \pm 2 M

see R3 For 1990 MacFlit data

1989 M. Stanback

M. Formicivorus

R3

HNHR

Dec 88 Acorn Count : 1430

* * Group Update * 1011 disap 881103 \pm 1W, 1511 disap 881208 \pm 1M. Thus its helpers w/ no breeders!

20 Mar 1610 Saw ♀ 1635 (^MDO). Hello holes - nothing.

27 Mar 1150 Hello - nothing

8 May (well, I know I've hello'd before now) Anyway....
0900 Hello - nada, tho I did hear birds here.

3 Jun 1730-1745. Spy - no one shows.

9 July 0920-0950. Saw ♂ 1510, ♀ 1635

* * Group Update * 1635 disap 890905 \pm 2M

1990
1991

M. Stanback

1

M. Formicivorus

McFL

H/NHR

6 May 1530 3 Fresh eggs in low hole! $23.7^1 \times 19.3$, $23.7^2 \times 19.3$, $24.3^3 \times 20$
18 May 1130 $Y=17.3$, $- = 16.3$ (8.15), $r=5.1$. runt was at least
one day old. Est runt hatch 16-17 May. Damn. Should have checked yesterday.
Egg #1 shell

(1991)

R3

19 Apr It seems we're calling R3-MacFlat \rightarrow McFL (though
I saw birds at R3 & not at McFL) Hello - nada

21 Apr "Hello McFL & R3 holes - nada. Bird at R3

22 Apr " " "

24 Apr 1030 I checked the high hole Morue saw a bird
in yesterday - empty and not impressive - shut
& mold (also a scary climb - very dead). Anyway,
there's a nice new hole lower in the trunk
Facing MacFlat. Fresh chips & everything.

25 Apr 1630 Hello holes - nothing.

26 Apr 1030 " "

27 Apr 1000 Morue thought he saw a bird fly from
the hole. I peeped - empty.

28 Apr 1400 I peep the low hole (empty) and the one
3 feet higher facing the creek (empty)

30 Apr 1300 Bird in low hole. Peep - empty.

1 May 1300 Peep - empty. Made 2 cuts on door

3 May 1030 Empty.

5 May 1640 "

8 May 0900 " . There are Stellar's jays here (dog food)

524

RL

16.6

RW

13.9

3.1

6	4	0
7	8	1
8	12	2
9	16	3

$$b + b - 1 = 3.2$$

$$b + b = 4.2$$

$$b + .3 = 4.2$$

$$b = 3.9$$

1991

M. Stanback

M. Formicivorus

1

R3HNHR

9 May 1230 Once again, I check it; once again empty. I'm worried - when I hell'd I got nothing, but as I raised the ladder 2 birds flushed from somewhere in the tree.

10 May 1000-1025. They're mate-guarding - for what it's worth. Stellar's jays here cleaning out feeders. The ACW's spent very little time near the granary.
1115 Checked hole - empty. Stuck bit o' lichen in door.

12 May 1300 Still empty, lichen gone.

13 May Can I kick myself? 4 eggs in the hole just above + around from the new cut hole. Damn. Morne saw a bird flush from the creek side. And this was another mate-guarding group!

14 May 1000 Deep hole, thick wood. Separate door. 4 eggs. Small

20 May 1430 1 Fresh chick (3.5 g), 1 egg pipping, 2 other eggs look fine. \rightarrow 4.2

21 May 1115 RL = 5.6, LL = 3.9, RW = 3.8, B = 3.5. B was still attached to egg. After weighing here I realized that the tare is off on the 10g pesola. I've been doing most with the 50, but check records of nests where all kids > 10g. Whatever value the pesola said, subtract .3 for the proper weight (in those records I subtracted 1.0). Pesola is now tared so I don't have to subtract anything.

10 May Roger does pm watch - no shows. I later (unknowingly) set an ambush here.

1991

M. Stanback

M. Formicivorus

2

R3HNHRJune
11 ~~Aug~~

0800-0900. No Feeds, no ambushing. I give up + band babies. But there's only two! Partial predation?

They're not in great shape. Does pp explain Freaked adults? No - its brood reduction (see Walt's notes)

6 Aug Nest site: sycamore, dead limb, new hole, 24 ft high, 260°

53 47.33
21 58.5
70.5 43.43
45.37

1989

M. Stanback

1

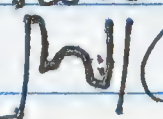
M. FormicivorusSHILHNHR

Dec 88 Acorn Count: 1500

~23 Mar Hello holes - nothing

28 Mar 1623-1635 Spy From Haystack. Saw 5 birds. Seem bunched (mate-guarding?) but no interest in holes.

15 Apr 1415 - 1430 Spy From Haystack. At 1430 a bird flew to one of the holes (high) in the nest tree. (At 1425 @ 4 birds flew in a bunch from E of the "nest" tree toward the gran.

1530 Climbed "nest" tree - checked holes - nada. The traditional hole looked wet, the 87 hole has rotted thru the bottom (ie huge crevasses in the floor) The hole above the traditional hole (also w facing) had some Ramalina in it, not much though. The main problem w it seems to be that it has a very uneven floor  (side view). A big piece of hard wood protrudes from the floor. So...19 Apr 0925-0945 Spy. Just Flycatching. No visits to "nest" tree, but several to Fence-line trees and a spot in the woods. No real following behavior

Walt found nest w kids in 'new' hole in Forest at bottom of field

Walt climbs hole - finds 2 big gopher snakes inside (with lumps)

Walt finds new nest in tree down from traditional tree. w facing hole in old (sort of) knot. 3 eggs.

19 June 0930 1 climb hole - still 3 eggs (bird in hole on arrival.

22 June still 3 eggs - 1 take 'em out - they're infertile!

1989

M. Stanback

2

M. Formicivorus

SHIL

ANHR

23 Sept 1610 Saw ♂ M / (assume its 1387)


1700 Saw ♂ WK fly from top of School Hill
(SHC terr?) down to SHIL. Is this 1387
From SHIL? ~~where rare~~

1991

M. Stanback

M. FormicivorusSHILHNHR

24 Apr 0800 Bird Flushes from near holes in tree highest up in enclosure. Gotta go get climbing gear now.

0900 Bird in open hole on arrival. Free climb. 4 eggs - incubated (very). Funny though, they had a ring on the big end . This ring looked like a stain

nest 26

showing through (like the grease on a Powdermilk Biscuit bag). Anyway, all 4 had it. I moved the blind. An incubation watch would be prudent at this juncture

29 Apr 1730 "They're big" said Mark.

RL = 11.5 , LL = 7.0 , RW = 15.8 , LW = 14.8

18 May 1330 Banded, bled, measured babies here (4). See cap recs.

1989

M. Stanback

M. Formicivorus

School Hill C (Formerly ECF)

HNHR

see Walt's notes for nest

5 July 1715 J 1706 caught at Knol's yellow pan trap (net was up to catch a Knol bird. 70.5 (138) 27 Tail 81.5. 2nd 1^o big (well, all big). Released at Plge - landed in granary. Nothing happened for 1.0 mins, then someone (I think a baby) mildly attacked him, he flew into a live oak, then it got quiet again.

23 Sept 1700 Saw ♂ WK (1387 from SHIL?) Flew from the top of SHIL to SHIL. SHC also has no acorns stored. Maybe extinct?

6 Nov 1415 No acorns stored in granary. Extinct?

* * Group Update * 1705, 1707, 1708 ^{NSAB} ~~dis~~ 890724 \pm 2 M
1706 dis 890815 \pm 6 W; 1677 dis 890724 \pm 2 M

1989

M. Stanback

1

M. Formicivorus

SHW

HVHR

15 Apr 1545 Helio'd holes - nada. Free-climbed the tree (a royal pain since the ants here are going for the record (~~BA~~ ~~still~~ currently tied w ARSW + Lamb). Anyway, I checked the 88 hole - its in OK shape, but no chips or anything. Also, the entrance looks a bit on the large size. C'est la vie.
Walt Finds nest here
Failed! See Walt's notes

23 Sept 1630 No acorns stored.

6 Nov 1530 Very few acorns stored (>100) and most of these seemed to be opened. Doesn't look good! I'd say abandoned

1989

M. Stambach

1

M. FormicivorusARFTHNHR

- 1 Apr After many visits, I find a bird in the higher hole.
5 Apr 0730 2 birds in hole
1400 check hole - Fresh chips! Ready to go.
10 Apr 1800 " - empty.
13 Apr 1500 " "
18 Apr 0930 " " . Really ready. Bird at hole on arriv.
19 Apr pm " "
21 Apr 1130 " " . Maybe they're tossing.
23 Apr 1730 " " . Now I'm getting depressed.
27 Apr 1600 " " . Even more depressed.

BKOK
myst
egg

25.42 x 18.25

1989

M. Stanback

1

M. FormicivorusBKOKHNTFR

Dec 88 Acorn Count: 6700

* * Group Update * change 1211 M/Y-DB to M/Y-LB

21 Mar All 99 H moved to A1 (power struggle) 1004, 1493, 1631, 1211, 1212.

1035: Bird at hole in BKOK at lower end at Bian boundary (87 teaser hole) No id.

1100 Hello holes - nothing. Some nice new ones in the traditional nest tree. At 1100 1213 (^{split M} ♂)? was (still) at the teaser hole.

23 Mar 1200 No one at teaser hole. Or at other holes. Spied on 88a + b For @ 10 min - nothing.

29 Mar 1015 Bird in teaser hole!

30 Mar 1600 Bird in hole. Set new string + climbed. Empty! but Fresh chips^(a few). They've deepened it considerably.

1 Apr 1245 Climb. Same as 30 Mar. No bird on arrival.

3 Apr 0845-0900 Spy on hole - nada

4 Apr 1700 Climb hole - empty. I think they're pulling an 87 on me. I'll bet they're really nesting in that new hole out past the 88b hole.

5 Apr 0900-1000 Spied. Seem to be mate guarding. Lots of flying around in treetops. The lowest place they went was the downhill deadish snag

1007 As I prepare to leave, I see a bird fly from the area of 88a. Well, not much to go on.

10 Apr 0745-0815 Spy on teaser hole - nada. Hello holes on way back - nada - + again later - nada.

11 Apr 1130 Bird at 88a hole.
1645 Climb - empty, but Fresh chips

1989 M. Stanback

2

M. Formicivorus

BKOK

HNHR

12 Apr 1500 Climbed. Egg #1. (Bird in hole on arrival). But...
the egg had no air space - just free floating bubbles. ^{set} blind.

13 Apr 1400 Egg #2 OK

14 Apr 1030 Egg #3

20 Apr 1030 #1 : 25.0 17.5 dead

2 : 25.05 18.0

3 : 24.75 17.75

4 : 22.65 17.4 not opaque - prob dead

24 Apr 1345 None hatched yet!

26 Apr 1040 Egg 2 hatched (3.7 g) = LL. Took out egg #1.
3 & 4 not hatched. Added RL From FAAR = 5.6 5.9

28 Apr 1200 RL = 14.1, LL = 10, B = 7, - = 4.1. added
RW = LW = From CV2.

29 Apr 1030 LW = 13.4 / LL = 13.2 / RW = 14 / B = 9.4 / RL =
17.9 / run = 4.8. Added RWB, LWB, & RL
(now both L) From CV2. ^{Chgs} ^{Back} ^{CV2} ^{this must be B in CV2}

1 May 1130 LWB = P = 18.5 (9.95) / RL = W = 25.4 (11.15)

LL = K = 18.8 (10.2) / LW = M = 20.4 (10.45)

RW = DB = 20.8 (10.25) / BL = Y = 15.8 (9.4)

RWB = 12.5 / B = 12.3. 1 removed these 2 For CV2

There's a Fertile looking egg in there. Holy shit,
that egg was laid after the Fact! Was it an AI
daughter dumping? Resare it next time, hatch it, and
get DNA!!!

4 May 1000 Y = 31.5 (12.3) / W = 44.9 (14.3) / B = 36.7 (13.4) / K = 35 (13.2) /
P = 33.5 (12.5) / M = 36.2 (13.45). Small gopher snake in knot
at base of tree - 1 threw him out. Maybe false alarm on

1989 M. Stanback

M. Formicivorus

3

BKOK

H/NHR

(4 May) that egg - it doesn't look viable, I'll have to clean the gunk off it to see if it has a number

6 May 1500 K = 50.3 (15.3) / B = 51 (15.5) / P = 46.5 (14.35)

Y = 43 (14.1) / W = 62.5 (16.6) / M = 49.9 (15.3)

Removed K, B, & W for Pipe, Blm 1, Buck.

8 May 1615 P = 59.8 (15.3) 3 (3)

Y = 55.1 (-) 2 (2)

M = 62 (16.3) 5 (^T1.5) ^T3

14 May 1600 P 27.5 18.5 24.5 28.5 16 21.5 56.5

M 81 19.55 20 32 14.5 22.5 61

Y 73.8 18 18 26 10.5 17 53

16 May 0730 Y 77.8 18.9 25 35.5 15.5 22 63.5

M 83 (20.1) 21 42 16 28 68

P 79 18.9 27 37 19.5 26.5 65

* * Group Update * 1492 disap 890305 . 1004,
1493, 1631, 1211, 1212 moved to A1 890320 ± 1 W.
These ♀♀ evicted the resident A1 br ♀!!

19 June 1745 Hello holes (except the far teaser hole) - nada

0915 Watched From big field SW of group. Saw ♂ 1702
Wow, this might be another great removal group

0930 - 1000 Went to BKOK proper. Saw 1632 (no)

10 Sept ^{am} Saw 1632, 1702 (♂)

21 Sept 1030 Saw 744, 1006, 1213, 1632, 1704. Also

saw ♂ \overline{KO} = 426, ♂ MROV (what leg?) =

♂? W-R/L = . Also saw NOBA juv (♀) following
1704 on a limb.

* * Group Update * 1492 dis 890401 ± 6 W

13
9.8

RW
B

1990
1991

M. Stanback

1

M. Formicivorus

BKOK

HNHR

29 Apr	1200	Front ^(outer) toes on both feet clipped	= 5.25	Nan does
		Back " "	= 5.1	2 hr
		no toes clipped	= 3.8	watch

(1991)

21 Apr 1635 Hello holes - nada

22 Apr 1430 Thought I saw a bird fly to the 90 hole. On a whim, I climb. It's empty, but fresh chips. It has an ambusher set (for some reason)

23 Apr 0930 Hello - nada

26 Apr 1530 " "

28 Apr 1530 Climb. Empty.

30 Apr 0845-0930. Spy. Just lots of Flycatching.

4 May 0900 Hello holes in traditional tree. Nada.

5 May 1300 Climb. Empty. Take down ambusher (monofilament had broken) A big limb of the bk ok had fallen.

7 May 0815 Hello main tree - nada. The limb that came down did have storage holes (sev hundred). The birds were retrieving them when I arrived. I propped them up for easier access.

8 May 1400-1440 Spy. Hello holes - nothing!

11 May pm. I set Danny here to census + spy. He sees both breeders and sees B♀ with food flying down into the woods (beyond the P.O. tree) I go investigate but find nothing.

12 May 1830 Walt finds the nest at the top of the old Bkok

1991 M. Stanback

2

M. Formicivorus

BKOK

HNHR

15 May 1730 W = 50.5 (16.55) 2.5 (3) Poison Oak!

2.5
O = 52 (15.1) 4 (2.5) // r = 32.8 (13.55)

B = 56.8 (16.35) 6.2 (4.3) No cardboard, I put more in.

29 May 0930 Banded kids. Added Yellow + Red to nest (M. Lewis)

22 July 1000 Still acorns here - a couple hundred.

1989

M. Stanback

1

1990

M. Formicivorus

SOBO

HNHR

Dec 88

Acorn Count

* * Group Update * 1410,5254 disap 890625 \pm 5 M

~~scribbles~~

(

10

315 3D

chips!

1. Rk

1989 M. Stanback

M. *termicivorus*

AI

HNHR

Dec 88 Acorn Count : 6500

* * Group Update * 1332 disap 881111 \pm 1 M, 1661 disap
881231 \pm 3 W

21 Mar 0900 Power struggle! Seems to be winding up. ♀ 1220
replaced by 5 BKOK ♀♀ (1004, 1211, 1212, 1493, 1631)
♀ 1212 was seen pecking at one of her sisters. AI
♂♂ seen : 1027, 1340, 1562, 1563, 1660, 1026.

29 Mar 0845-0900 : Saw ♂ 1340; ♀♀ 1004, 1493, 1631, 1212.
Lynn + I both saw a ♀ O/DB-O(N) with the other
♀♀. Who is this? see back of page →

5 April 1500 I severed all the poison oak at the base of
their new nest tree (see Big T notes for 3 Apr)
2 birds in hole on arrival. This am ♂ 1027 was in.
1630 Saw 1212, 1340

11 Apr pm I hello'd both holes - nothing (I've been doing it a lot)
By the by, they are still noisy!

17 Apr 0730 Bird at traditional hole (another inside). Bring chips.

18 Apr 0800 During the time I was here I saw 2 big
chases (1 involving a NOBA ♀). Saw 1212, 1004,
and I think I saw ♀ KWNM ()

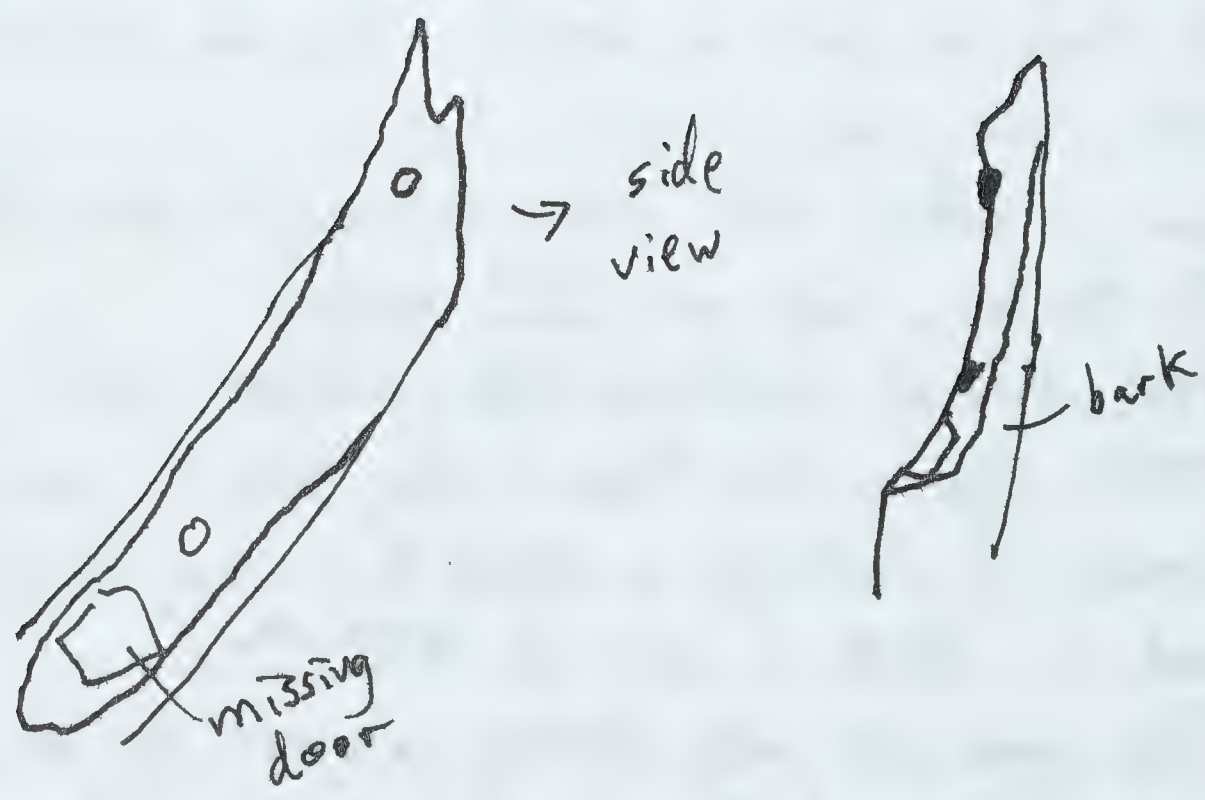
These guys are also showing interest in an impossibly
skinny hole at the top end of the 88a snag →

20 Apr 0900 Bird at new PO snag hole.

27 Apr 1430 Unfortunately, they are still showing interest in
the "impossible" hole

29 Apr 1230 Hello traditional hole - nada. Then hello'd the PO snag
hole + got a bird!

in Jan 90 Deena saw $\frac{BP}{n} / (n?)$



1989 M. Stanback

2

M. Formicivorus

AL

HVHR

7 May 1800 Hello all holes, but the only one w a bird in it is the ridiculous one.

8 May 1300 2 birds Fly to ridiculous hole, and thus I climb it. Empty, tiny, & scary. I suppose they could be building it just as sleeping quarters, but they've been showing too much interest. So I plugged it up.

11 May 1500 Bird pecking away inside the new low snag hole. Birds are still noisy & active here.

20 May 1300 Bird at 88 hole

26 May ~~am~~ Once when I went by a bird was at the hole, hello'd later - nothing.

* Group Update * ♀ 1220 evicted by BKOK ♀♀ 1004 1493, 1631, 1211, 1212 ♂ 90320 ± 1 w. ♂ 1562, 1563, & 1660 inherited breeding status 890320 ± 1 w

1 June 0715 Hello 88 hole - nothing.

1800 Yow! Walt Finds nest in ~~the~~ black oak towards BKOK-BIAN. We return w gear. 4 kids near fledging age. (Time 2000)

LA2

1749 87.5 23.4 59 107 (2)

1750 86 21.7 63 114 blue butt 30

1751 93 21.8 58 106 red

LED = 20 up

1752 88 21.1 54 112 green

4 June am The action here is at the granary - are we sure "the" nest is AL's? The LA2 birds spend alot of ~~the~~ time in the summit tree.

7 Jun 0945 2 birds at 88 hole

19 Jun 1615 Hello holes - nada. That wasn't a juv I heard, was it. Birds are going to the 88 hole - so I climb.

1989

M. Stanback

M. Formicivorus

3

AlHNHR

19 June I open it up and its still full of old acorn shells.
 I scrounge around inside and pull out a dead
 woodpecker (long dead). $\frac{KWN/K}{n/Y-LB}$ is what it
 looks to be. And... it thus is 71211.

26 Sept 1330 Saw R-DB/R (1660 ♂) at FAAR border + 1340
 * * Group Update * 1004, 1493 dis 890813 $\pm 10 W$

1990 M. Stanback

1

M. Formicivorus

~~Arnold~~ Arnold 1

HNHR

29 Apr 1100 LB = ²¹22 (10), K = ^{20.5}21.5 (9.9), P = ²⁶27 (10.55),
G = ²⁴25 (10.45), r = ^{10.5}11.5 (8.9). check tare (done)

30 Apr Walt caught BF 1212 : 76.6 g (142) 32.2 (84)
61 (60), 66, 62 (61), 72, 64.5 (63.5), 60, 61, 66

4 May ♂ 1340 : 78.5 (143) 34.2, 82

(1991)

Ambush. 4 birds in 90 nest hole, 1 in the cavernous hole. See cap recs for details.

14 Apr ♂ 1799 Found dead. Testes 4 mm x 2.5 mm. Didn't fly well upon release (flew into a limb & fell to ground. Apparently died that day. Problems with 1799. Was very underweight (67 g). Was starved & dehydrated upon release. Was in bag in drawer w fresh paint (Fumes). Was not the tongue bird. Are these wiggly thing semen tubes or parasites? (about 10 cm long when stretched out. Only one right side of body . Spirit specimen.

21 Apr 1645 Hello 90 hole - nada

30 Apr God-dammit Philip - why did you cut down that low snag hole. Didn't you notice all the poison oak was dead? I gave myself a good case of PO getting that tree free for a ladder climb. I cut all the big stems. It was just resprouting at the bottom.

19
22
26
30
34
38
42

1991 M. Stanback

2

M. Formicivorus

AI

HNHR

5 May 1500 Bird (♂) in 90 nest hole. 1 climb - empty but Fresh chips.

8 May 1300 Hello hole - nada. Philip sets ambush at 90 nest hole

9 May No catchy birdies, but now they roost elsewhere

15 May 1530 Well bugged all. 4 Fresh warm eggs and a broody bird to boot. Damn, why is it I only find FED's for monog pairs!

27 May 1500 2 chicks, 2 dead eggs. H-mm, was there an implanted breeder male here? (see CVGR). Anyway, big = 18.8 (9.05), small = 12.3 I removed the 2 dead eggs.

13 June Banded ² babies. See cap recs.

22 July 1015 Lots acorns left

1989

M. Stanback

M. FormicivorusBig THVHR

21 Mar Saw 1319, 1234, 1565

23 Mar 1000 Saw 1236, 1234

28 Mar 1000 Saw 1236 at LA2

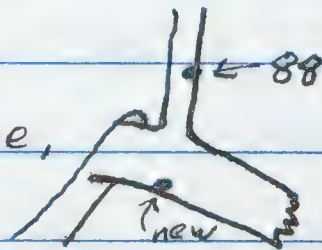
1100 Male (NOID) at 88 hole

1 Apr 1000 Hello - nada

1205 Saw 1236 at hilltop tree at LA2

3 Apr am Patti reports new hole! An E Facing snag in a small PO covered tree 100m downhill from 88 hole. Its in the field. In new broken vertical limb. Or is this A1. Ho A1

5 Apr 1620 Bird Flushed from below 88 hole, checked & found nice new hole



10 Apr am: Hello'd holes - nada. Climb old hole crappy, new nice.

11 Apr pm

17 Apr 1130 I've been helloing here every time, but have yet to see a bird in the hole. But I climbed & found 4 eggs. Cut a nice door and numbered them 1-4.

18 Apr 0900 No one in hole. I set blind and then put snake netting around @ $\frac{1}{3}$ of the tree (all I had)

27 Apr 1430 Peep hole - 5 eggs! I guess the 4 were fresh.

29 Apr 1215 RW = 4.5, RL = 8.4, LL = 7.55. Added LW from UA2 (3.45, but then I fed). Last baby hatched in my hand. Set snake net (the rest of it). 1 dead?

30 Apr 1545 RL(now LL) = 13.3 / LL(now RL: 11.5) / RW = 8.1

LW & new baby were dying. I stuffed them w food & removed the 3 big babies.

yes (see note 10/15)
no

added UA2 kid that was FARR rant

1989

M. Stanback

2

M. FormicivorusBig TH. VHR

(30 Apr) 1700 I returned w the smaller of the 3 kids, along with the 2 smallest UAZ kids and the FAAR runt (actually a UAZ kid) ^{so which LW + new? to McF1}

1 May 1045 B = 9.8 / RW = 8.8 / ~~-~~ = 11 / RWB Fell to the ground, but seemed OK = 9.8. I added all 3 PHF kids and took out ~~= 11~~ (to make things ~~more~~ more synchronous (hopefully its kosher). 11 kid is going into UAZ.

2 May 1145 BW = 11.3 / RW = 11 (cut on LL) / RWB = 12.7 / BL = 10.4 / B = 11.0 / little PHF = 7.0 (was 7.85 yesterday) He is near death. I gave him Food. I gave BL @ 2g of Food.
 \hookrightarrow removed him. (to aviary)

4 May 0700 BW = LG = 17.9 (10.2) / BL = 14.8 (10) = LP / B = 13.6 / RWB = Y = 17.7 (9.1) / RWLLC = DB = 15.3 (9). I Fed B alot 5 kids is more than they can handle - and sync hurts! Hey, the Food did help BL (he passed B)

6 May 1430 G = 29 (12.3) / P = 24.8 (12.1) / B = 27.5 (11.1) / Y = 26.8 (11.1) / ~~-~~ = 23.9 (11.7). I Fed - + P.

7 May 1745 P = 32 (13.3) / Y = 31.8 (12.1) / ~~-~~ = 29 (12.7) / G = 37.8 (13.5) B = 33.4 (12.5)

14 May 1345 G = 50 17.9 10 10.5 3.5 8.2 34
P 40.1 17.1 8 9 4 7.5 28

- 42 16.9 8.2 ~~11.8~~ 8.8 10 28

Y 44.2 15.95 12.4 13.8 7.5 12 34

B 46 17.05 7.9 8 7.7 10 30.5

16 May 0800 B 52 17.75 13.5 15 13 16 39.5

P 44.2 17.75 12 14.5 6.3 12 35.5

1989 M. Stanback

3

M. FormicivorusBig THNHR

(16 May) Y 49.5 16.7 14.5 20.5 11.5 16 43.5
 - 46.8 17.4 12.2 13.7 12.5 14.5 35.5
 G 55.1 18.8 16.3 18 8 13 43

So synchrony does hurt - I'm sure these guys would've
 brood reduced if they could've (but no infanticide). I
 removed G & took him to UAZ.

22 May ¹³³⁰ P 58.0 20.1 22.5 43.5 15 28.8 68.5
 - 56 20 24.5 43.5 19 34 70
 B 65.5 20.4 24 46.5 20.5 35.5 73
 Y 65 19.1 23.5 50 19.5 36 75

26 May ^{1717 0830} NWP 69.5 20.45 20 68 15 45 93 Y

¹⁷¹⁸ MB 72 21.38 25 64.5 18 47 91 M

¹⁷¹⁵ BG 60 21 22 61 14 44.4 86 G

1 (1) 

2 (1) 

3 (2) 

4 (2)



gray forehead

Who is dead (removed color bands)

↳ 39 21.25 23 52 16.5 34 77 ^{LP/m} LB-LG/ROK

I looked where I bled him and found no problems.
 I think he dehydrated somewhat, but he's been dead
 for a day at most (not too smelly...)

4 June am A baby flew out of the hole on arrival!

21 Sept 0730 Saw ♂ 1234 here (1319)

1000 Saw 1234 at LAZ/Bian/BKOK


* *Group Update* 1715, 1716, 1717 NSAB 890730 ± 6W, 1236
 dis 890530 ± 3W, 1565 dis 890807 ± 6W

1989

M. Stanback

1

M. FormicivorusKOUTHNHR

- Dec 88 Acorn Count : 4100 (myst 1000)
- 21 Mar 0830 : ~~0830~~ Hello holes - nothing.
- 23 Mar 0905 - 0930 : Spied : birds going to 2 places : 1) the new nice hole under construction in the W Facing Knub below the high hole where the door fell out. 2) One of those low SW Facing old holes in the same tree (the dead live oak) (Never actually saw birds at these holes - they were on another side of tree)
- 28 Mar 1030 Bird in low hole in dead tree (the one they laid 1 egg in last year)
- 29 Mar 0910 Saw 1016, 1668. There are some nice holes in the trees near the 88 nest tree. Hello holes - nothing.
1045 Saw 1668. Hello holes - nothing.
- 1 Apr 1010 Bird Flushed From low hole
- 3 Apr 0800 Saw 99 1668, 1670
- 4 Apr 1730 Checked low hole - empty & not all that chippy. Hmm.)
- 10 Apr am hello holes - nada - Patti spy - nada
- 11 Apr 1450 Bird in the low knot-plus hole in the 5 most tree in the 88 nest tree bunch.
1600 I climb it - empty - and no chips either. The knot hole itself opens on to the "nest chamber." I plugged it with duct tape. Great hole for filming.
- 17 Apr 0740 - 0750. Got a hint to the high hole while spying (a bird was getting pecked near it)
0820 - 0840 Spy. Hints below hi hole. 
I climbed the pictured hole. Great shape - I'll bet they're egg tossing.

1888

1888

(The first part of the year was spent in the

study of the history of the country and the

history of the people who lived in it.

The second part of the year was spent in the

study of the history of the people who lived in it.

The third part of the year was spent in the

study of the history of the people who lived in it.

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The fifth part of the year was spent in the

study of the history of the people who lived in it.

The sixth part of the year was spent in the

study of the history of the people who lived in it.

The seventh part of the year was spent in the

study of the history of the people who lived in it.

The eighth part of the year was spent in the

study of the history of the people who lived in it.

The ninth part of the year was spent in the

study of the history of the people who lived in it.

The tenth part of the year was spent in the

study of the history of the people who lived in it.

The eleventh part of the year was spent in the

study of the history of the people who lived in it.

The twelfth part of the year was spent in the

study of the history of the people who lived in it.

1989

M. Stanback

2

M. FormicivorusKOUTHNHR

- 18 Apr 0500-0700 Egg toss watch. 0530 ♀ 1668 to hole - look in. 0545 ♀ ^{OKO}/_{MKO} looks in, ♂ 1016 lands. 0600 ♀ 1668 lands & leaves. 0645 ♀♀ 1668, 1670, and ^{OKO}/_{MKO} land by hole along w ♂ 1016 - only 1670 enters (she stays in for 10 sec) other fems leave w/o looking in. 1016 stays, looks in several times, then leaves. 0655 ♀ 1668 looks in, then leaves. ^{Mate-guarding}
- 20 Apr 0930 Well, I'm not sure what to make of it, but one guess is that there's 1 BF, not 3. (They were all NOBA's, so could've been missed nest.) 1 egg, labeled #1.
- 21 Apr 1100 Jumping to conclusions, eh? The egg was gone, there were no replacements. Thus egg tossing.
- 22 Apr 0500 start watch. @ 0600 a bunch of birds come to hole & go in (4). Eventually 3 ~~♂♂~~ ♂♂ come out (♂ P& not let in). Finally ♀ out. Immediately ♀ KO () arrives - I chase her away & climb. A runt egg. I replace it w a dead normal egg (I'm not sure why I did). Anyway, in the next hour ♀ MKO () looked in twice (ie 2 visits) and ♀ KO () landed once, but didn't look in. At 0823, all 3 ♀ and several ♂♂ landed. KO () & MKO () went in. DD () didn't. After @ 1 min a ♀ came out with the egg in her bill, followed by 2 ♂♂. The other ♀ stayed in @ 30 sec more, then appeared and left. I climbed - empty.

1989 M. Stanback

3

M. Formicivorus

KOUT

H/VHR

23 Apr 1500 Walt checks hole - empty

27 Apr 1545 Empty

6 May 1430 Bird to the hole!

7 May 1730 6 opaque eggs.

11 May 1500 Not yet hatched

13 May 1330 $RL = 7.55 / LL = 7.45 / RW = 8.8 / LW = 8.5 / B = 6.45 /$
 $r = 4.1$ / removed B and runt & took to aviary.

14 May 0700 Aviary birds threw them out - dead (r I can't find them for tissue) Aha, at 0930 I found them, badly pecked up and stored in a log. I got liver tissue from both of them. Labeled "MF T11, KOUT, 890514" = B / "MF T12, KOUT... = runt. I saved stomachs and stomach contents and carcasses of ~~both~~ both babies (together in a film canister w 95% EtOH)

1645 $RL = 11.9 / LL = 12.3 / RW = 13.5 / LW = 13.2$

16 May 0915 $RL = 15.7 (8.65) = - / LL = LP = 17.9 (8.7) / RW = Y = 19.4 (9.1)$
 $LW = 17.5 (9.4) = W$

18 May 1645 $P = 31.2 (11.15) / W = 30.7 (11.9) / Y = 33.4 (11.7) / Z = 28.9 (11.45)$
I removed P & Y to aviary.

19 May 0600 Shit, though they were feeding P & Y when I last watched last night (1830) they apparently did not brood. They were dead this morning. T16 & T17. I also put the bodies in formalin.

* * Group Update * 706 disap 890401 ~~2m~~
♀ 1466 (had disap) is now ARSW B♀

26 May 1030
 $W = 63.5 \quad 17.4 \quad 12.45 \quad 12.5 \quad 7 \quad 11 \quad 40$
 $- 63.5 \quad 16.55 \quad 13 \quad 13 \quad 11 \quad 11 \quad 41.5$

ARSW
890501
ZW

1989 M. Stanback

4

M. Formicivorus

KONT

HNHR

1 Jun ⁰⁸⁰⁰ W 83.4 20.5 23 45 18.5 31 73

- 83.5 20.3 31 45 18 32 75

Their Feathers were in perfect shape (eg., the tails still had "baby sheaths" at the tips)

4 Jun ¹¹⁰⁰ - 82.5 22.05 ~~40.5~~ 28.5 63.5 21 43.5 90

W 83.7 22 31 63.3 20 41.5 89

7 Jun ¹⁰⁰⁰ (RW) 81 22.8 21 78 20 50.5 105 Mu

- 81 23 25.5 77.8 14 51 106 Y

Mu had scab on bill & quiet / Y loud & aggressive

14 July am Lynn reports bird in high hole

15 July 0720 I see a bird at the hole. I hear no babies.

I spy later but get no visits. No gear, so no climb.

0840 See 1669, 1670, 1221.

21 Sept 0720 Saw 1669, 1670 (missing band on LL), 1668, 1016, 1221, 1382, NOBA ♀, 1755 (unsure of sex) 1754 (♂) & 1755 (♀) are hanging out at ARSW.

* * Group Update * 1219 dis 890614 ± 1 M

1990

M. Stanback

1

M. FormicivorusKOUTHNHR

21 May 0930 Well, they didn't hatch today - it was several days ago. $RL = 8.5$, $D = 14.3$, $LB = 15.6$, $LW = 12.9$. No eggs.

(1991)

21 Apr 1650. Hello holes - nada

22 Apr am " " "

1400. Bird to 90 hole (but it was just after an alarm call). Climbed (ug), but it's empty. A few fresh chips, but mostly shit.

23 Apr 1020 Hello - nada. Needs a watch

28 Apr 1600 Saw a bird flush from low on right side of dead tree. I rig ropes & check all holes. The nest hole is the only one worth a damn, and it's not great.

30 Apr 0945-1030 Spy. No visits to 90 hole or the horiz hole. Just flycatching mostly.

4 May 0835-0855 Spy on summit trees. Nice holes, but no action (summit = towards FAAR, AI, KOUT no-man's-land).

5 May 1330-1430 Spy. First from below, then from above. Not a single hint. Just sapsucking, flycatching. I found a hole back past the knoll, but it looks pretty bad.

8 May 1400 Hello holes - nada

11 May 1230 " "

12 May Roost watch. Birds into the low hole on the summit. No "fer sures" elsewhere.

15 May 1600 4 fresh eggs in 90 hole

1991

M. Stanback

2

M. FormicivorusKOUTHNHR

27 May 1430 RL = 6.0, LL = 4.6, RW = 5.6, LW = 4.6

29 May 1100 Put cardboard in. 3 kids + 1 very dead chick (flat)

Dead chick had been pecked a lot (skull broken, skin on head broken, other wounds too) RL = 12.5

LL = 11.3, RW = 11.6

5 June 0900 W = 43 (13.6), Y = 41.7 (13.7), LB = 46 (14.7). The

aviary ^{Kid} that Danny put in here (the 1st hatched one) is doing well enough at 26.5 (11.2) = K.

The runt from Mt Ham was starving in the aviary, so I stuffed him w baby food + put him here

(@ 35 g). He refuses to eat and twists his head to the right. Stuffed all the kids here + did my Free climb down (ug).

6 June 1800. K = 33 (12.2), B = 57 (15.55) 4 (2) // Y = 51 (14.9)

2.5 (2) // W = 52 (14.6) 4.2 (3). Runt dead.

10 June 1500. Caught 1755. See cap rec. (mass, bill, 10s, 10, TS, T, ch)

B = 74, 18.5, 19, 21.5, 7, 14, 50

Y = 66, 17.9 17 18 8 13 46

W = 70, 17.35 19 21 7 15 49

K = 48, 14.6, 3.7, 3.7, 5.5

12 June 0815 - 1050 Ambush, 1836 never showed. However, a bird ~~ON~~ ^{ON} did (1754). On his 3rd visit (1050) I pulled the string and it got stuck. A wasted morning.

13 June Walt caught BF. Then I sat from 1115 to 1300 waiting for 1754 to show. No show (pretty meager feeding rate)

14 June Caught 1754 (see cap rec). I went ahead + bled kids.



1991

M. Stanback

M. Formicivorus

3

KOUTHNHR

(14 June)

1000

ch

1st1st

TS

T

did

Put not

Y 72

65

24

38.5

13

25

LB 77.5

70

27.5

42.5

12

27

wts there

W 72.5

70

23

40

13

27.5

cap on

K 51.5

38

14

15

8

14

→ took to Y^{rec}

22 July

1020

Still

have

acorns



1989 M. Stanback

M. Formicivorus

ARSW

HNHR

Dec 88 Acorn Count: 1450 (myst 1000)

21 Mar 0815 Saw 1500. Hello holes - nothing

23 Mar 0935 Hello - nothing.

28 Mar 1035 " "

1110 Saw bird go to 88 hole, then away.

1130 Saw 1500 (tho I thot I saw KPN/W)

1155 Saw 624

1 Apr 1020 Hello - nada

10 Apr 1030 Climb 88 hole - empty, but OK shape.

11 Apr 1455 Hello - nada

17 Apr 0745 Ya know, these guys are a little too noisy and chasy to be a pair mate guarding. Needs scoping.

18 Apr 0830 opened - empty (Lynn saw bird in hole yesterday. She also ~~se~~ ID'd birds of both sexes.

20 Apr 1130 Still empty.

Hey!

22 Apr 0900 Despite all the noise, and my seeing a bird at the hole, no eggs. I saw dad too, so it isn't a new breeder deal.

27 Apr 1530 Climbed, still empty. I think they must have pulled a Fast one.

7 May Lynn reports bird in hole! (twice)
1700 4 Freshish eggs!

15 May Ah! That explains it - new ♀♀'s. But a 4 egg clutch?
Lynn did a watch & saw dif ♀♀s (also only one bird had food (twice) while the others just incubated.

16 May 1000 RW = 6.55 (assume pipping yester?). 1 unhatched egg & 2 infert (removed these - tho now I regret it)

14

5181

On the subject of the "New" and "Old" world
the following facts are given: the "New" world
is the "Old" world, and the "Old" world
is the "New" world.

1

The "New" world is the "Old" world, and the "Old" world
is the "New" world.

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is the "New" world.

1989 M. Stanback

2

M. Formicivorus

ARSW

HNHR

* Group Update * 720 disap 890401 \pm 1 M. 1500, 1501, 1502, 1503, 1504 disap 890401 \pm 1 M.

26 May 1000 50 (14.3) 1° + rtx just coming in. No egg in hole - did the other hatch + die, or not hatch.

1 June 0730 66.5 17.05 13.5 16.5 10 18 40

I added in B + - From Chgo. Despite having 7 kids in the nest there, they are bigger than the ARSW kid!

1615 Walt catches NOBA ♀ 5331 $\frac{M/R}{LB-R/R}$

7 June 1130 Banded + bled the 3 kids. However, they are not doing well. The Chgo kids weigh the same as they did a week ago, and the ARSW kid has lost 14 g! I fed him some chewed up acorns (yuk) and then decided to remove him. So I took him, fed him baby food, and put him in 1800 at 1430. The other 2 will stay at ARSW.

W =	68.7	20.8	74.5	24.5	48	16	-	Mv
B	76.5	22.6	74.5	22	47	13	-	Y
-	52	18.2	63	17	40.5	14.5	34	rem

12 June 1200 Y 81 23.9 22 70.2 10 $\frac{98}{ch}$

M egg 76.5 22 24 70 19 $\frac{100}{Y}$ ① M ②

21 Sept 0815 Wierdness! Extinct! Only Kout J 1754, 1755, and Lamb ♂ 1489 here (but mostly 1754 + 55). Also saw a NOBA J ♀ here.

* Group Update * 1766, 1767 NSAB 890720 \pm 2 M; 1466, 1753, 624, 1280 dis 890720 \pm 2 M

1989

M. Stanback

1

M. FormicivorusLAMBHNHR

Dec 88 Acorn Count: 3800

21 Mar 0820 : saw 1491. Hello holes - nothing.

23 Mar 0940 Saw 762. Hello holes - nothing. However, the 88 hole looks like the entrance has been cleaned up a little bit.

28 Mar 1040 Hello holes - nothing. Saw 916, 1489, 762
Saw ♀ KPN O (I'll assume this is 1378)

1135 - 1150 Spied on 88 tree - no interest in holes.

29 Mar Lynn reports no interest in holes

1 Apr 1030 Hello holes - nada. Saw 1488, 1489.

3 Apr am Patti reports birds hanging out in big summit tree.

10 Apr 1015 Climb 88 hole - Damn - a mouse nest (avec mouse) I tho't I had checked the hole. Damn. I also checked several other holes in the tree - nada.

11 Apr 1500 Finally - bird in a hole. Too bad it took me so long to re-check the summit. Either I missed it earlier or its very newly built. Climbed - its very deep, so I'll wait til I get the drill. Besides - the eggs look opaque (but there're only 5 eggs).

12 Apr 1645 Climbed after Patti's watch. Still 5 eggs - not opaque - they're still on the Fresh side

18 Apr 0835 Put tanglefoot on trunk. No one in hole!

22 Apr 1330 Empty! and so is the 88 hole.

27 Apr 1500 Climbing to check the 88 hole, I see a bird Flush nearby & behind. About 3 feet up from 88 is an east facing hole (they were in it (playing) last year. Peeped. 4 (Fresh?) eggs. No saw w me.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the transparency and accountability of the organization. This section also outlines the specific procedures for recording transactions, including the use of standardized forms and the requirement for double-checking entries.

2. The second part of the document addresses the issue of data security. It highlights the need to protect sensitive information from unauthorized access and disclosure. Key measures mentioned include implementing strong password policies, using encryption for data storage and transmission, and conducting regular security audits to identify and mitigate potential vulnerabilities.

3. The third part of the document focuses on the training and development of staff. It stresses that ongoing education is crucial for ensuring that employees are equipped with the necessary skills and knowledge to perform their duties effectively. The document recommends a combination of formal training programs and on-the-job learning opportunities to foster a culture of continuous improvement.

4. The fourth part of the document discusses the importance of communication and collaboration within the organization. It encourages the use of clear and concise communication channels to ensure that all team members are informed and aligned. The document also promotes a collaborative work environment where team members are encouraged to share ideas and support each other in achieving common goals.

5. The fifth part of the document outlines the process for reviewing and evaluating the organization's performance. It emphasizes the need for regular assessments to identify areas of strength and areas for improvement. The document suggests using a variety of metrics and indicators to measure performance and encourages the use of feedback from both internal and external stakeholders to inform the review process.

1989

M. Stanback

2

M. FormicivorusLAMBHNHR

28 Apr 1330 Sawed open hole - still just 4 eggs (fresh): a pretty poor showing for an experienced 2 ♀ group.

29 Apr 1300 Put snake net around tree.

7 May am Lynn reports no⁽¹⁾ visits during her 3 hr watch.

1645 Poor sds, depredated again. Part of the snake net was unhooked - leaving a (mammal-sized or snake-sized) gap.

16 May 0945 Peeped 88 + 89b - empty, but birds scolded. ^{Ants!}

26 May am Peeped 88 - empty. Helloed others

1 June 0745 Hello holes - nada.

19 June 1630 Got my hopes up. A bird flushed from the 89b hole - but I peeped it and it was empty. These guys always come and scold tho. Checked 89a - nada.

15 July 0730 - 0830 census: 1378, 762, 1488, 1491. 1488 was down to 1491.

21 Sept 0815 ♂ 1489 seen at ARSW. At lamb: 1378, 1491, NOBA ♀♀ (2 intruders?)

* * Group Update * 916 dis 890528 ± 6W

17.2
6.35

1991

M. Stanback

M. Formicivorus

1

LambHNHR

- 21 Apr 1700 Bird Flushes From the "back" hole (low, where they failed, Faces Hartings)
- 22 Apr 0815 4 Fresh eggs (cold). No one in hole (numbered)
Roger watching.
- 23 Apr 1010 5 eggs.
- 4 May 0730 RL = 7.2, LL = 5.4, RW = 6, LW = 3.75, egg pipping weighed 4.1 g (no number). Put cardboard in.
- 7 May 0730 RL = 17.4, LL = 15, RW = 14.6, LW = 9.3
Cardboard was not Flush on bottom. Live valley oak, 3 m high, E Facing hole, lots of ants.
- 11 May 1400 r = 13, G = 32.5 (12.5), W = LL = 28.8 (12.55),
O = RW = 28 (12.15). Put piece of cardboard in.
- 15 May 1430 G = 49 (15) 3.8 (4) // r = 18.3 (12)
W = 43.5 (15.2) // O = 43 (14.65) 2.7 (3)
Cardboard gone, put new one in.
- 22 July 1025 Still some acorns (not a lot)



1

HNR
~~RNA~~

28 Apr 1230 Put Fresh hatchling (perky) From UA2 into FAAR.
As Pesola was on ground, I couldn't weigh the big guy.

1989

M. Stanback

2

M. FormicivorusFAARHNHR

29 Apr 1115 Akeem weighed 17.2, runt alive (& well)?). Anyway, runt = 5.55, which isn't great but isn't terrible. But they could've done better I think. Anyway I added 2 big Blm 1 kids (see Blm 1 notes)

30 Apr 1500 - = 23.8 (9.7) / P = 23.75 (10.6) / Y = 22.9 (10.22)
runt = 9.8. Well damn, looks like I should wait longer to add hatchlings. I left it in, but later returned to remove it and add it to Big T

4 May 0830 - = 45.5 (14.1) / P = 41.2 (14.25) / Y = 43 (14). No one had any feathers in yet.

8 May 1445 Y = 65.5 17 11.7 5 8.5 38
- : 71.9 18.2 9.5 5.7 9.5 35.5
P 63.7 17.7 12.5 7 10 36.5

14 May 1500 - 93.8 21.95 27.5 40 18 29.8 68
Y 86 20.35 ²⁴ ~~20.35~~ 41.3 15 29.4 70
P 79 20.9 23.5 44.8 16 30.5 70

520 wts → ?

9 Sept 0950 - 1200 Census: A bit of chasing, a good acorn crop. What a bloody waste. Saw 834, 835, 1023.

10 Sept 0630 - 0830 Census: Saw 834, 835, 1023, 1527, ♂ ~~1699~~ 1699 and, I think, maybe ♂ 1701 (MRWR, W-LG?). 835 & 1023 spent most of their time attacking squirrels (all birds spent most of their time in the starling tree beside no-man's - snag).

26 Sept 1400 - 1430 Saw 834, 1023, A1 1340 + 1660, a NOBA ♀, JNOBA ♂ (very juv), and ♂ NOBA. A zoo - due to a heavy fruiting compla trees? →

* Group Update * 9/6 dis 890528 ± 64

1991 M. Stanback

M. Formicivorus

1

FAAR

HNHR

21 Apr 1710 Bird in the higher of the "traditional" holes.

22 Apr 0900 Climbed & checked both holes + the new one.

All 3 in good shape, but no eggs.

23 Apr 1000 Hello - nada!

28 Apr 1700 Check holes, all look good - but empty. (Grrr, had to re-throw string - don't ask).

4 May 0850 Bird at higher of the traditional holes.

8 May 1500 Hello - nothing. I prop up several pieces of granary.

11 May 1245, 1500 Hello - nada. I see 3 birds

14 June Spied for 10 min - nada.



1989 M. Stanback

M. Formicivorus

UA2


HNHR

Dec 88 Acorn Count : 4600

21 Mar 1015 Hello holes - nothing

23 Mar 1100-1130 Watched 88 nest tree : No one showed up at all.

29 Mar 1030 Hello holes - nothing. Set up blind.

1 Apr 1045 - 1145 Spy + census. Saw 632, 1379, 1380, 1540, 1659. 632 did not show interest in any granary holes (nor did anyone). Near the end there were a couple trips to the downhill tall straight tree. I got out of the blind, checked & saw a bird in each of the upper two holes ^{no} yes 

3 Apr 0815-0835 Watched downhill holes from blind. Birds around, but no one to hole.

5 Apr 0800-0830 Saw 681. There was a lot of activity in the live granary (Flycatching). I saw a couple of suspicious landings - however, I couldn't see the hole from my position. No bird ever landed in the downhill tree, much less its holes.
pm: watched a bit (20 min) nada

10 Apr 0730 Hello - nada

1030 Climbed wierd bark tree & checked 'new' holes - they're all incomplete. (Hello'd all holes first - nada)
Climbed 88 hole - looks pretty good.

11 Apr 1440 Thought I saw a bird Flush from 88 hole

12 Apr 1515 Check 88 hole (climb): empty.

14 Apr 1111 Hello - nada

17 Apr 0800 Bird in 88 hole (now I wish I had come yesterday!)

0930 5 Freshish eggs (last laid 2-day I guess) Numbered and put on tanglefoot and netting.

BL
RLB
~~B~~ LL
~~PWB~~ RL

1989

M. Stanback

2

M. FormicivorusUAZHNHR

27 Apr 1500 Brought belly (cvi) up from Pipe to put in w the UAZ hatchlings (he needs help), but I find no hatchlings! I put him in anyway. One of the UAZ eggs was infertile so I removed it.

28 Apr 1215 Belly^{RL} has recuperated. Looks like being #2 to a big baby just can't compare to being #1. 2 ~~the~~ UAZ eggs have hatched. I took the Fresher chick to FAAR to act as runt.

29 Apr 1145 $RL = \text{belly} = 8.55 / LL = 7.6 / RW = 5.35 / LW = 3.45 / B (\text{From BKOK, and after Feeds}) = 5.25$. I then removed LW, Fed RW + B. (LW to Big T)

30 Apr 1615 $LL (\text{now } ~~BLL~~ BLL) = 11.7 / RL (\text{now } BRL) = 10 / B = 9.2 / RW (\text{now } RWB) = 9.3$. I added the 2 big babies from Big T and removed RW + B from UAZ. (bound for Big T) I fed the UAZ kids that stayed.

1 May 1200 $LL = 15.9 / BLL = 13 / BRL = 11.5 / RL = 15.6$. I also added in 3 kids: the 2 smallest from BKOK and the big unmarked Big T kid. ^{awfully!} died at UAZ (From BKOK not runt)

2 May 1230 $RLB = 9$ (removed) ^{where?} $/ RWB = 14.7 / B = 14.5 / - = 12.95$ (then I stuffed "Full of Food") $/ LL = 17.8$ (removed) ^{to PHF} $LLB = 15.5 / RL = 16.7$.

4 May 0745 $B = 21.2 (11.6) = LG / RWB = LP = 20.8 (11.5) / - = 17.7 (10.33)$ $RL = 25.3 (10.55) / LLB = 21.2 (10.95) = W$. I then stuffed "Full of Food". Babies were cold. Birds noisy!

8 May 1400 $- = 31.8 (13.4) / P = 37.4 (14.5) / K = 38.9 (14.25) / W = 34.7 (14.3)$ $G = 38.6 (15.1)$

14 May 1530 K 58.5 16.85 2.5 2 4.5

1989 M. Stanback

M. Formicivorus

3

UAZ

HNHR

(14 May)

- = 40 15.95 5.3 3.5 5 all others gone!
W = 51 17.5 5 3 3

16 May

⁰⁸⁴⁵
K 65 17.55 5.7 5.7 5.7 8 32
W 59.5 18.1 10 10.5 4.7 6.5 33
- 48.6 16.4 8.3 8.35 5.3 7.2 28

Added in G from Big T.

22 May

¹⁵⁰⁰
G 78 21.4 27 52.3 15.5 34 79
W 80 21.3 24.5 42.5 14 27 70
K 84 20.8 20 37.8 13 28.5 67
- 64.5 19.25 22.5 35 19.5 26.5 61

26 May

¹⁷¹⁹
⁰⁹³⁰
BOK 81.5 22.6 27 64 25 39.5 91 G
¹⁷¹⁸
RON 80 23 25 71.5 17 45.5 98 P

1721

LBM 71 20.5 27 54.5 30!(25) 38.5 82 Y

1720

83.5 22.25 23.5 57.5 15 40 87 Maur

(LBM had a 30 mm tail sh on right, @ 20 mm on left) so call it what you will.

* * Group Update * 1379, 1380, 1540, 1659 disap
890415 ± 2W. ♂ 1222 returned 890415.

15 July

0900 Stopped by, saw a roid baby and a '♂' w m.

10 Sept

0830: Saw ♂ 681

*

* Group Update * 1379, 1380 dis 890303 ± 6W
1719 NSAB 890724 ± 2M

1990

M. Stanback

1

M. FormicivorusUAZHNHR

4 May 1400 R toe = 4.45, L Toe = 5.4, 7.7, egg = 3.5, 1 inf egg.

5 May 1000 Rt = 3.8, Lt = 7.0, - = 10.6, r = 2.7

#1802 \swarrow bled! \searrow 1803

I did a nest watch from 0750 - 0950. The only bird to feed was 681. He fed 5 times in 2 hours. At one point a NOBA ♀ went to the hole, but the male drove her away.

(1991) After being abandoned all winter, Arnold 1 birds are setting up dual citizenship here.

14 June 1110. Saw bird O/KWR at traditional hole. Climbed & covered hole - heard nothing.

22 July 1040 Birds here, but no acorns.

1989 M. Stanback

1

M. Formicivorus

LAZ

H NHR

Dec 88 Acorn Count: 5900

27 Jan Jane reports NOBA ♀ here

21 Mar 1020 Hello holes - nothing. The hole ~~was~~ on the underside of that big limb in the woods has been worked on recently. The skinny nest in the same tree (87b) has broken off due to the doors.

28 Mar 0940-1005 Hello holes - nothing. Census: 611, 1117, 1611, 1612, 1236 From Big T.

1 Apr 1205 Saw 1236 (Big T) at hilltop tree

10 Apr 0835 Checked 88b hole - its full of shit (chips, wood rat stuff). There's a nice new hole at 87a hole stub.

11 Apr 1430 Hello - nada

17 Apr 1000 Hello new hole - nada. Lynn watched it - nada

18 Apr 0730 Climb new hole - its not done - its only 1" deep. I also climb the 'nice' new hole in the woods - its 2" deep. I saw 1 chase-intrusion.

14 May 1430 I've been helloing here everytime w no result.

I watched here several minutes, saw a bird Flycatch and then fly straight to the blind side of the dead granary. I go to check and don't really find anything.

4 June 1015-1045 Spy. They spend alot of time in the "summit" tree beside "Al's" nest. Is it LAZ's?

9 Sept Think I saw 1749 as ♂ (no)

10 Sept 0900 ♀ in summit tree Wb (I dont think was M)

21 Sept 0940 Saw 1612, ♀ & J 1749, hanging out at Big T & BKOK border.

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1989

M. Stanback

2

M. Formicivorus

LAZ

HNHR

26 Sept 1500-1520 Saw 1116, 1612, 1749

* * Group Update * 1751, 1752 NSAB 890729 \pm 2 m
1611, 1750 dis 890810 \pm 6 W

1991

M. Stanback

1

M. FormicivorusLAZHNHR

- 21 Apr ¹⁷¹⁵ Bird in hole in woods - the skinny one facing the burned granary, just beside where that old one fell. You know.
- 22 Apr 0830 7 Fresh eggs, cold (then again it took @ 20 min to cut a door. Set blind for me (1 hr) ^{Dan} 3 hr
- 23 Apr 0930 Still 7 eggs. Bird Flushed. Took blind.
- 4 May 0800 $RL = 3.7$, $LL = 6.2$, $RW = 6$, $LW = 6$, $BW = 3.4$, $B = 4.1$
No sign of the 7th egg. Put cardboard in
- 7 May 0800 $RL = 10.4$, $LL = 15.3$, $RW = 15.4$, $LW = 13$, $BW = 8.8$, $B = 10.3$. Cardboard was Flush under babies. B had a cut on him. SE Facing hole, dead limb, 4 m high, new hole. Valley oak.
- 11 May 1430 Well, its enough to make me believe Lack. These 6 kids are not doing well. Put new cardboard in. $r = 14$,
 $RW? = 26.5 (12) = K$ / $RW? = 15.7 (10.5)$ / $B = 17.7 (10.7) = W$ /
 $LW = 20.5 (10.8) = P$ / $LL = 26 (11.9) = G?$ (I forgot). All
6 kids have cuts on them. Is this more infanticide or maybe just cuts from claws when adults Flush.
- 15 May 1500 $K = 40.5 (14.9)$ / $W = 31 (13.5)$ / $P = 30.9 (13.3)$ /
 $B = 24 (13)$ / $G = 40.5 (14.5)$ / $r = 21.5 (11.6)$. No new cuts. Cardboard gone, put new one in.
- 22 July Still has acorns.

1989 M. Stanback

1

M. Formicivorus

BIAN

H/NHR

Dec 88 Acorn Count : 2500

* * Group Update * 1518 disap 88 1112 ± 3W

21 Mar ¹⁰³⁰ Hello holes - nothing. Saw 1517.

23 Mar 1150 Hello holes - nothing.

28 Mar 0900 - 0930 Watched. Saw 1232, 1515, 1516, 1517, 1519. Also saw ♀ $\frac{M}{LD/L}$ (is this 1518?)

These guys have @ 1000 holes in the dead tree by the nest tree (88) (1518 is $\frac{M \text{ LG-W}}{DGP(N)/DG}$)

1 Apr 1200 Hello holes - nothing. Starling in bee tree hole.

5 Apr 0900 1 bird in hole above 88, 2 others to 88 hole.

10 Apr 1111 Climb 88 hole : 3 eggs! 2 round, 1 elongated.

The long one (#2) and a round one (#3) had 'veins', the other round one (#1) didn't. I removed #3.

11 Apr 1100 2 new eggs - I removed both (pm nest watch)

12 Apr 1415 1 new egg (∴ total of 3 in nest) I let it stay.

So $3 + 2 + 1 = 6$ and if they lay 1 more = 7.

Hardly a Flicker experiment (esp since they hatched > last year) Thus acorn woodpeckers can count.

20 Apr 1045 Well, at least they're Fertile...

#1 24.8 18.6 5.25g - 1 =

2 27.85 18.05 5.7

12 24.24 18.15 5.1

95
33

22 Apr back 5.3 At 1500 I climbed + Found 2 hatchlings

L wing 5.75 + an unhatched egg. I put the 3 cu

R wing 8.0 kids in along with LW (whom I hope

R leg 7.3 to Fatten up). I took 'Back' to the

L leg 7.8 lab

1989

M. Stanback

2

M. FormicivorusBIANHNR23 Apr 1530 RL = 8.2, LL = 9.0, RW = 9.9, (LW = 6.9 ^{Bian})24 Apr 0600 Baby From remaining egg died last night. Tissue sample.
See notes for Incubator.1300 Add ins: Pipe^{Back} 4.8 - 1 = 3.8, inc 4.15 - 1 = 3.15

RL = 12.1 - 1 = 11.1 / LL = 11.6 / RW = 12.5 / LW = 6.95

1 stuffed LW full of Food.

26 Apr 0900 RL = 16.2, LL = 17.5, RW = 18.5, LW = 9.8

1 runt dead (cho) = , live (Pipe) = 2.1 (soon died)

1 removed the dead kids and LW (took LW to Blw)

28 Apr 1400 RL = \overline{LG} = 26.4 (11.4) / LL = \underline{W} = 27.4 (11.55)RW = \underline{Mv} = 28.1 (11.4)

4 May 0910 G = 57.1 (17.27) 3.9 3 5

Mv = 59.3 (16) 7.4 4.5 4.5

W = 58.7 (16.9) 6.8 4 4

8 May 1535 M 80.4 18.5 20 27.5 12 18.5 54

G 83.6 20.05 20 23 11 18.5 50 ^{SP} Levert

W 79.7 19.6 22 26 9.5 17.5 53

band 14 May

18 May 1600 ¹¹⁸⁶ MKB 89 22.2 23 81 27 48.8 107 blue butt¹¹⁸⁵ 92.2 24.14 25 78 15 51 103 yellow "KPM ¹⁶⁸⁴ 30 64 very dead + rotten - 1 think

the bleeding killed him. I'll check # tubes. Retrieved bands.

No, not amt blood, since I got the least from him!

9 Sept 0800 - 1030 Censuses: A lot of chasing (silent) going on. Saw NOBA ♂ + ♀, also 1462, 1463, 1232, 1515. So it's

1989

M. Stanback

3

M. FormicivorusBIANHNHR

(9 Sept)

not a power struggle. Also saw ♀ $\overline{YM} =$ ♂ $\overline{RMUT} =$ ♂ $\overline{RT} =$

A painful unproductive census. A lot of the action is taking place along the edge of BKOK woods - border dispute.

28 Sept

0930 Saw 1232

* * Group Update * 1516, 1519, 1685 dis 890818 \pm 7 W
1517, 1686 dis/NSAB 890726 \pm 10 W

1991 M. Stanback

M. Formicivorus

1

Bian

HNHR

21 Apr 1720 Hello holes - nothin

22 Apr 0900 " " Nutatches in bee tree hole.

26 Apr 1550 - 1610 spy on 89 tree. Not even a bird seen.

22 July Nada

1989 M. Stanback

M. Formicivorus

Rana Creek

HNHR

8 Nov Ambush 2 holes (7 in one, 1 in other = 1783-1790: see cap recs)
Am removing these birds at request of R.C. people (pecking house - they were shooting them. No power struggle after removal).

9 Nov 0630 Arrive - all quiet
0645 Play power struggle tape

Only 2 birds showed up (I think it was 1 that escaped ambush) + karrited.

0700 Four birds arrive quietly and eat acorns. We stayed until 0815, playing the ps tape periodically - no response. Took down nets & came home. Adios.

in Aviary: 0900: 8 birds alive

1400: ♀ w shot breast is dead, ♂ 1788 is very lethargic & I'm worried.

10 Nov 0930 All 7 looking OK (including 1788)

12 Nov early pm 4 birds here

15 Nov roost watch: 3-4 birds here - roosted away from gran (toward house)

1991

M. Stanback

1

M. FormicivorusRANAHNHR

- 7 April 1800 Heavy mate guarding ^{into hole}. Looks like 5 (~~♂~~?)
following 1 ♀. Roost watch
- 9 April Set ambushes. Not much luck
- 10 April Catch 1 bird (♂ 1904). Spirit specimen
- 11 April 0800 Set net, ♀ dummy, play tape. Get intruders
r start catching birds - but who are they?
♂ 1905, ♂ 1906, ♂ 1907, ♀ 1908, ♂ 1909. See cap
recs. Spirit specimens.
- 17 June 1130-1200 Still lots of acorns. 1 Flushed 1 bird
on arrival, pretty dead since then. 1 watch awhile r
hear babies - in the high hole. 1 climb r they
Hedge. 1 leave a ball up there
- 25 June Roost: As I set up to climb the hi hole to set
an ambush a bird Flushed from a nearby branch.
As I start climbing, a bird flushes from the
very low knob hole and a juv sticks his head
out. I decide to get out of the tree in hopes
they return to the low hole. The juv
flushes on the way down. 1 roost watch - 1 bird
into the low hole. Sounds like others in the
mystery area. Pigs!
- 26 June A baby in the low hole r one in the water hole. I
decide to ambush the low hole Z-nite, so I nap. I do
the pole before it gets dark, so birds in nearby
holes can find other accommodations (also so I don't
have to use a flashlight). One bird escaped, but I
caught 3 (♀ r 2 juvs, see cap recs). Released 27 June
am

29 Mar

1826

79.5

135

31.6

76

1079

86

147

30.3

79

1991

M. Stenback

2

M. FormicivorusRANAHVHR

8 July 1345-1445 Census; see NOBA ♂, 2007, 2009. after nearly an hour I find 2008. Things pretty slow, so can't say for sure if this is all. ♂ had brown wings.

29 July Roost watch / ambush. I watch the low hole, - nothing. As I approach it after dark to get the pole from the ground nearby a bird flushes from another low hole 10 feet beyond the original low hole. I put the pole up & catch a bird. → I set net bag & get the banded ♀ (before putting the bag up, I got a look at her - she has white specks in her black head stripe - ~~but~~) This seems to be it. ~~was~~ Morné ~~is~~ convinces me to put her back in & let her calm down. It seems to work!



1989

M. Stanback

1

M. FormicivorusDingle (DNGL)H/NHR

24 May 0630 RL = 20.3 / LL = 11.1 / RW = 17.9 + 1 unhatched egg. This group was discovered 23 May by David Barber. The hole is @ 7 ft up in a blue oak @ 150 m from CVR at the big pull-off / sharp turn ~~near the Oak Ridge~~ just before FRSR.

1530 Patti reports no feeds in 3 hrs (though 2 visits by a fem who once pecked the top of the ~~hole~~ ^{door} I cut this am - and it was a nice door) I climb & find 3 ice cold but living babies. ^(+take 'em) I assume they haven't been brooded or fed all day. I warmed them up, but RW (the mid-sized kid) died. I pickled him w a label "David". The other 2 I feed & stick into 1800 at 1815. RL = LB, LL = "-".

19 Jun am Checked hole - empty.

1000 1

(

(

(

1989

M. Stanback

1

M. FormicivorusMOON / FRSR / RMUM / etcHNRMOON

31 Mar

1620 Hello holes - nothing. Very strange - one of the big downed limbs beside the tree burned ^{completely} - there's a perfect outline of ash in the grass. It burned between 1 & 2 weeks ago (can tell by grass, rain marks in ash). 3" ring of brown grass around ash, then grass green. Nothing else burned in area.

pig hunters?

FRSR

14 Apr 1430 Checked the nest hole (up the hill from Box 340) doesn't look promising. However, in the next tree over (S) there's a nice hole with an ACW Feather on it. I climbed & birds came & scolded me. But there's some Ramelina in it (but I couldn't see bottom).

RMUM

14 Apr 1500 Hole empty & wet. I put in chips.

RMUM

16 Apr 1030 There's a nice hole in a tree uphill and NW of the main tree. I peeped, but no chips.

OUTB

16 Apr 1100 Door of "traditional" hole missing. There's a newish low hole (N facing) in the huge (biggest ever) blue oak uphill. I peeped, but not any chips.

OUTF

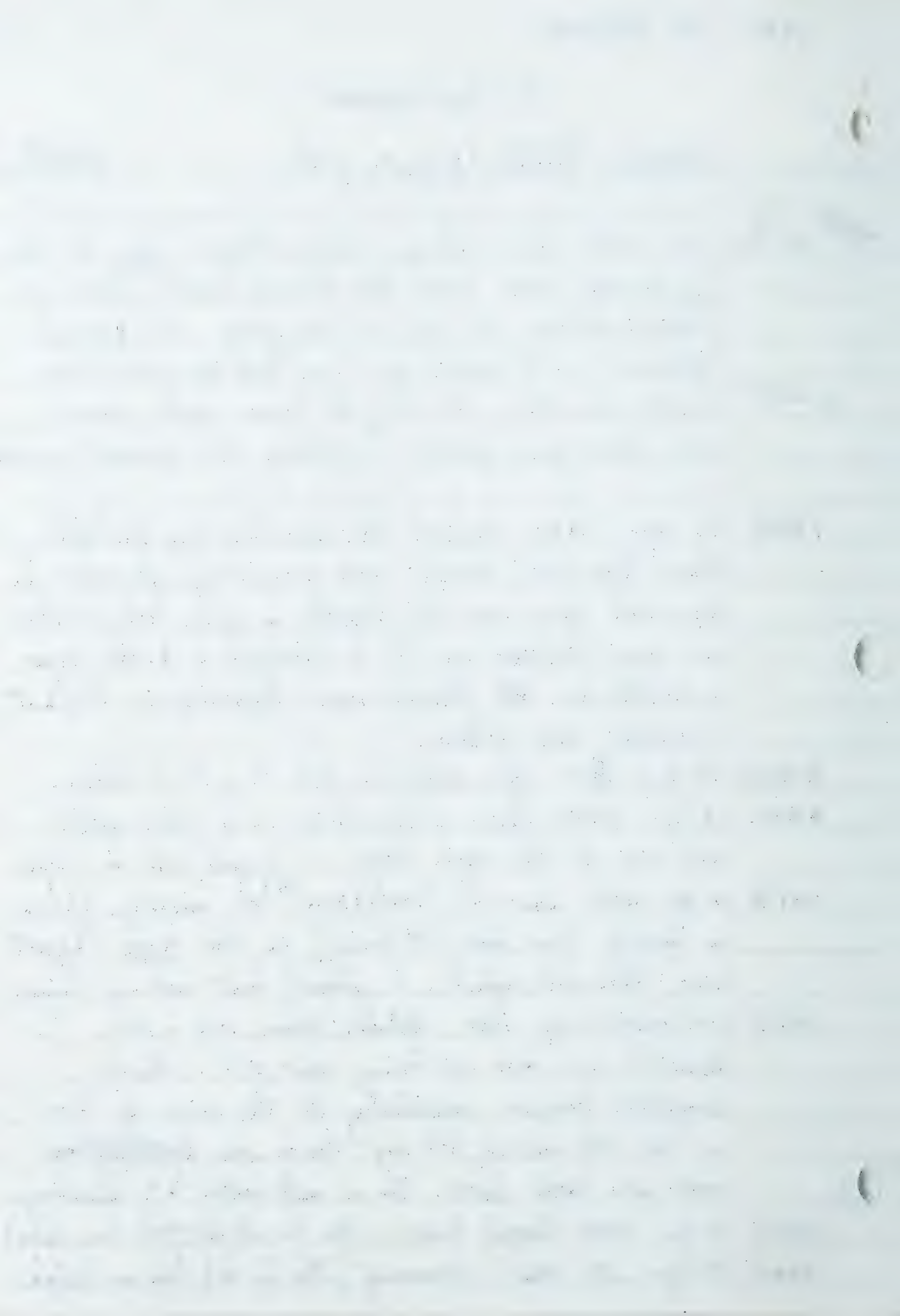
(outfront) 16 Apr 1130. Between bbbox 107 & 108. Beautiful new hole w facing near 107. Nearly completed. However, considering all the noise up here in the last weeks, I'd say there are ~~at least one~~ some new birds here. Do a nest watch b4 stealing.

MOON

16 Apr 1800 Peeped holes - the hi cut out (87) has chips!

MOON

18 Apr 1100 Was I dreaming? The hi hole has no chips.



1989

M. Stanback

2

M. FormicivorusMisc GroupsHNHR

18 Apr At BBBx 151 : Full granary, birds, but not a single hole!

19 Apr OUTF : Still noisy

3 May OUTF : Birds (2) in hole on arrival. But no eggs

OUTB : Hello - nada

RMUM : " "

4 May FRSR : checked all 4 holes here (2 at lower FRSR + 2 at uFRSR : all empty. The newest uphill one still has Ramoline in it, the 87 hole up here is in OK shape - there are some chips, but also mouse chips.

5 May 1030 MOON : Birds there on arrival. Checked all holes - nothing. However, theres another hole above & beyond the 87 hole. It has lots of ACW body Feathers in it (predation?), but some Fresh chips too

11 May 1630 MOON : 87 hole does have chips after all (I get I had a lousy peep that time) & hole above it still the same

21 May RMUM : hello holes - nothing

OUTB : " "

OUTF : climb the hole - empty. Has 2 mouse turds & a woolly bear, so I think it's not a likely nest

1989 M. Stanback

1

M. Formicivorus

Aviary

H/NHTR

2 May THF Kid to av (was in Big T) Belly (ev) to av (from UAZ)

4 May McFI sent into Aviary (8) - no!

5 May 0700 $\bar{W} = 28.4 (12.1) / \underline{O} = 22.6 (11) / \underline{P} = 25.4 (12.4)$

These are the 3 aviary kids. Add ins were:

$RW = 12 / B (MacF) = 11.7 / B = 18.7 (10.25) = \underline{LG}$

I removed the 4 biggest kids & took them to McFI.

3
4 May Kids into Aviary
3 Av to McFI

8 May 1000 $RL = 21.2 (9.75) = \bar{W} / RW = 25.3 (12) = \bar{Y}$ - not CECN kid

$B = 22.5 (11.6) = \underline{LG} / LL = 27.6 (11) = \underline{P} / \underline{PHE} r = 13.2$

Removed w & a & took to CECN.

1730 $Y = 30.2$ $P = 31.6$

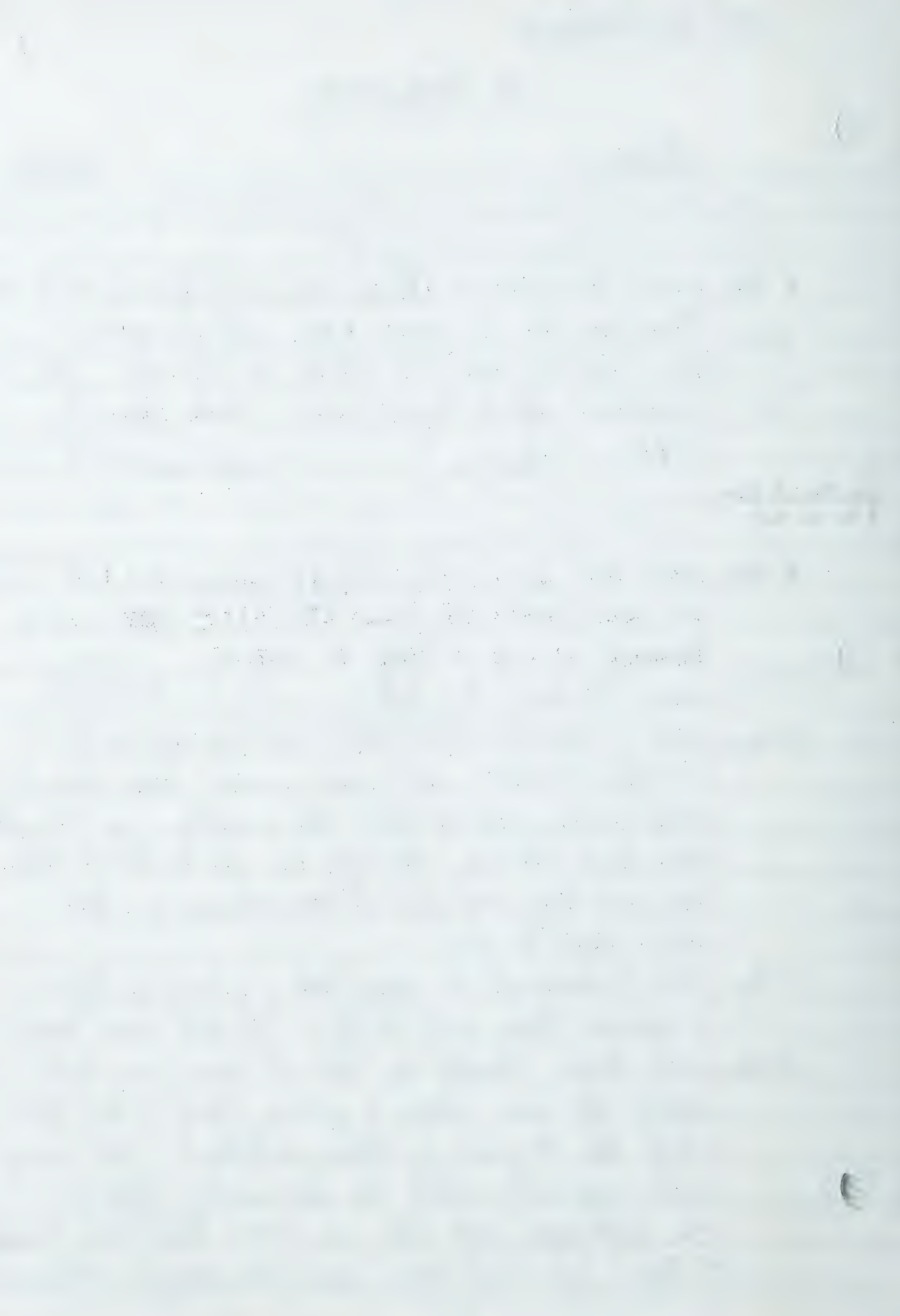
6 May pm = Y & K (near PHE kid)

13 May 0830 $'-' = 33.6 (13.4) / G = 34.6 (13.35) / K = 40 (14.8) /$

$Y = 44.2 (15.35)$. Left NOBA in aviary, took others to Gate (assuming Gate has kids) Bad assumption - so I brought them back. However, the baby box was too hot for them. They were limp, had shat all over, thrown up. But I think they'll be OK.

13 May 1500 Removed all 4 aviary kids & put em in Plge. I replaced them with 2 (5g & 7g) kids from KOUT.

14 May 0700 Damn. Shocked by the 2 new tiny kids and/or the new chips I put in (but I did that while the 4 were in there yesterday), the aviary birds apparently killed the new chicks. They (& the chips) were gone this am. Can't find bodies. I rushed to Plge, got 2 of "their" kids (from aviary) & returned



1989

M. Stanback

M. Formicivorus

2

AviaryH/NHR

(14 May) them to the aviary. (at 0715) I sat inside & listened until 0835. They were pretty freaked out, but after about 1 hr they started brooding (but no feeding that I could tell). They were still arguing @ something & mostly unattentive. At 0835 I checked the kids - no blood, no pecks. At 0930 I fed the chicks some baby food. Also found the bodies of the KOUT kids. Got liver tissue (see KOUT notes for details.) What a shitty day.

18 May Filmed this am. At 1730 I put in a KOUT kid and took out an aviary kid - they didn't mind. At 1800 I put in the other KOUT kid & took out the other aviary kid. They didn't seem to mind too much (ie curious non-feeding visits, waks & drumming) but they were feeding them when I left at 1900.

19 May 0500 Checked - KOUT kids dead (cold). Got aviary kids from incubator & put them in.
0700 Checked - aviary kids cold & approaching death. I removed them to incubator (where they recuperated).
KOUT kids = T16 & T17. Also pickled bodies.
1000 Measure big aviary kids, then put in Plge
 $LG = DB - W / LG = 67.5 (17.2) 4 (4)$
 $- ' = R - M = 67.3 (17.2) 7.2 (4)$

28 May Am 3 eggs!

30 May 1200 5 eggs!

31 May bled

2 June 1300 Poured in plaster & raised eggs @ 5 inches, then

1777 7 1782
R

1989 M. Stanback

3

M. Formicivorus

Aviary

HNHR

put in some chips, the eggs, and crossed my Fingers.
3 Jun 0700 Shit, nest empty. I found an undamaged and ~~an~~ a punctured egg in the infamous Food log. Another egg was completely eaten on the side wall, no sign of the other two. I put the OK one in the incubator. Damn, I should've 1) put in dummy eggs to see if they would abandon, 2) even more important, I should've filmed it. So now I'm doing both.

4 June They're excavating a pit in the plaster - wow.

7 June pm Pit has been deepened some more (not as round & even as it was - but no eggs.

11 June 1600 Hole has been deeped more (& more irregular). No eggs.
The egg I saved & put into the incubator has hatched. (I was gone) They fed it etc but it died after 1 day.

^{Sat}
17 June 0800 3 eggs! 2 look infertile (didn't pull em out)

18 June 4 eggs

19 June 1200 4 eggs: 3 infertile(?) has been punctured and contents drained (hence the one egg 'looking' Fertile)

20 June Not infertile, but I discover this after putting 2 CV2 kids in. However, they've

1 July 1700
R 80 18.88 22 44.5 19 32 71
- 66 18.5 16.5 31.5 13 21.5 55

added the smaller baby from CV2.

4 July 1430 Bled Ptery & Petra. ① = 55, 56.5, 56, 57, 56
② = 60.5, 60, 61, 60, 59, 60. each bird had a broken tube - may have gotten mixed up

25 Sept R submits (?)

1989

M. Stanback

4

M. FormicivorusAviaryHNHR

29 Sept

R was dominated by repeated ly

12 Oct

Put 2 sham implants in Ptery

See cap recs for repeated bleedings

1777 = Metal, 1782 = $\frac{R}{m}$, 9000 = Ptery, 9001 = Petra

Oct

bled Red r Metal r painted them

8 Nov

1000 - 1030 Put 8 Rana Creek birds into aviary.

1300 - 1330 Bled 9000, 9001, 1777, 1782 (to get hormonal effects of intruders.

21 Dec

~~1~~ noticed very intense fighting between the 2 daughters here.

1733, 521, 973, 1530, 1403, 1442

973, 1530, 1403, 1731, 1732, 1529

1730

1729

1989

M. Stanback

M. FormicivorusEggsHNHR

	Letter	Lay Date	Group	Inc Date	Inc Time HatDat	HatDat	wt
✓ x	A	nest 405	CVGR	0412	0730		
✓ x	B	nest 406	CVGR	0412	0730		
x	C	house 407	CVGR	0412	0730		
✓	D	fridge 409	CVGR	0412	0730	422 (1400)	3.85
✓ 12/1/89	E	f 411	Chgo	414	1920	425	
✓	F	F 411	Chgo	414	1920	425	
✓	G	F 410?	Bian	414	0545	425	
x	H	F 410?	CVI	413	0930		
✓	I	F 410?	CVI	413	0930	424	
✓	J	F 411	CVI	414	1920	(425)	
x	K	F 411	Bian	414	1920		
?	L	F 411	Bian	414	1920		
	M	F 412	Chgo	415	1900	(426)	
	N	F 412	Chgo	415	1900	426	
	O	F 413	Chgo	416	0800	427	
	P	F 413	Chgo	416	0800	427)	
✓	Q	408, 410, 411?	CVGR	413	1830	424	RIP
	Z		CVI			423	
	-12		Bian			423	RIP
	W	(was #1 chgo)	Chgo				
	blue		Blml			425	
	T		Chg			425	

L [✓]	O	A	K [✓]	C	I
27.2 x 19.9	24.7 x 18.6	25.75 x 18.35	24.9 x 18.6	25.65 x 18.95	25.88 x 19.75
27.2	24.65	25.7	24.95	25.6	25.85 28.75
27.2	24.65	25.75	24.85	25.65	25.9
27.2	24.66	25.75	24.81	25.65	25.89
			24.95	25.72	25.81
			24.89	25.65	25.9
			24.89	25.64	25.92
			24.9	25.7	25.96
			24.92	25.66	25.93
			24.91	25.65	25.9

B	H
25.80 x 18.4	23.95 x 20.45
25.75	24.00
25.92	24.00
25.8	24.00

1989 M. Stanback

M. Formicivorus

Incubator

HNHR

- 22 Apr 1400 : Egg D hatches (3.85 g) : to Chgo
- 23 Apr 0400 : Z : Left leg to Chgo
- 1000 '12' starts pipping Bian kid to Chgo
- 1230 '12' hatch to Chgo
- 23 Apr 2200^(10pm) Q pip (Patti)
- 24 Apr 0600 Found '12' baby dead. Maybe I overfed it (but it wasn't constipated) I cut off its wings and put them in N₂ (I didn't give it a number). Body is tagged "Bian", in formalin in a film canister in the fridge.
- 0700 Q didn't seem to be pipped. I decided to help it out. However, upon opening I found it had recently died (just b4 pipping). Will none of my experiments work? Limbs are in N₂, body in formalin. (CVGR Q)
- 0900 Egg W From Chgo pipping
- 1130 Pipping hasn't progressed, so I help it out of its shell. Baby from Egg W into Bian at 1330.
- 25 Apr 0630 Egg J (#7 from CV1) pipping. I ~~helped~~ helped it out belly
- 2000 Egg T (Chgo) hatch
- 2330 blue (Blm1) hatch (white on head) ink on back
- 26 Apr 1130 Bian kid (B, LW) = 11.9, RW, RL = 6.5 (Blm1) both these went into Blm1. Belly is perky so I put him + the other Blm1 kid (5.8) into Pipe (the Blm1 kid not looking good). The 2 newest kids B (was white head, from Blm1) = 4.5, the other is 5.0 (Chgo) God, I hope these didn't get mixed up. Just marked the Chgo kid RLW. It seems that hatchlings start declining ~~after~~ after @ 12 hr in the

1989 M. Stanback

2

M. Formicivorus

Incubator

L/NHR

(26 Apr) incubator. Too hot? Too much food?

27 Apr ⁰⁵³⁰ Egg #4 from FAAR hatched. ^{last write} Will take to Buck.

I am disheartened & depressed. I think that the Pipe & BUCK experiments are no good. The babies I put in were just too weak. I think the baby box kills them - too fucking hot. The FAAR kid was fine when I put it in the box, but nearly dead when I took it out at Buck.

1989 M. Stanback

M. Formicivorus

Tissue Samples

HNHR

T₁₁

T₁₂

13

14

15

16

17

18

19

20 1800 890524

21 Aviary egg 890603

Aviary baby (dropped directly in N₂ by Pmm)

T₂₂ PHF A 890619 RL

T₂₃ PHF A 890619 RW

T₂₄ PHF A 890619 LL

T₂₅ PHF A 890619 r

1990

~~M. Stanback~~ M. Stanback

1

M. FormicivorusAviaryHNHR

Mar Gave them a nice new nest cavity

Mar Bled all 4.

9 Apr Started giving them a daily handful of dry acorns

10 Apr Nest empty, ^(daily mealworms) no chips (though have enlarged cavity)

12 Apr " some chips at bottom. Put brick on lid

20 Apr 0900 Eggs! 1 runt, 1 regular (#1)

0945 Bled all 4

21 Apr 0930 Nest empty - broken ^{big} egg on ground below

23 Apr 1100 2 eggs! Presumably one laid yesterday?

24 Apr 1130 4 eggs (#3 + #4). So was it egg tossing on 21 Apr? Were 2 eggs laid yesterday.

25 Apr 1130 Marked egg #5. (Put in 4 May ♂ into next cage yesterday at 1100. Dead this am)

26 Apr 1000 Eggs. #6 + #7

5 May #1 = 3.92, #2 = 4.64, 3 = 4.66, 4 = 4.84, 5 = 4.74, 6 = 5.38, 7 = 4.22. All Fertile

6 May 0745 RL (3?) = 4.42, LL = 4.02 (2), RW = 4.82 (4), LW = 3.29 (1). Eggs 5, 6, 7 unhatched.

1100 RL = 5.42, LL = 5.18, RW = 5.66, LW = 3.80. No pips

1545 RL = 5.48, LL = 6.68, RW = 7.0, LW = 4.68. #7 dead

7 May 0615 7.02 6.82 7.78 4.96 4.33 #6 pip

1400 RL = 8.94 LL = 8.56 RW = 9.94 LW = 5.46 B = 6.24 BL = 5.92

8 May 0645 9.94 10.44 11.06 7.34 6.82 6.14

9 May 0700 12.19 12.68 13.35 5.82 8.62 7.9

10 May 0730 17 18.16 18.86 ^{ultracold} 12.24 11.51200: Blood 1 = ¹²⁷⁷ LG M, 2 = R M, 3 = Retna, 4 = Ptery

2	u	17	22.6	5.6	2	28	5.4	1
4	-	10	13.8	3.8	4	18	4.2	4
3	P	15.5	20.6	5.1	3	25.5	4.9	2
5	B	9.8	13.5	3.7	5	17.6	4.1	5
1	DP	17.5	23.3	5.8	1	28	4.7	3

1990

M. Stanback

2

M. FormicivorusAviaryHNHR

(10 May)

1777 (1) 55.5, 56, 55

1782 (2) 52, 56, 52, 56.5, 58, 56, 56.5, 52, 56, 58, 55

1792 (3) 51.5, 51, 52,

791 (4) 60, 58, 60

1430: RL = R = 18.68 (9.9)

BL = 12.65

LL = P = 18.8 (9.75)

B = B = 15.42

RW = LG = 21.64 (10.1)

12 May

1300 P = 29.5, B = 22, G = 31.5, ^{DP} M_U = 27, NOBA = 21

14 May

1630 LP = 43 (14.1), B = 35.2 (13.3), G = 43.8 (14.9),

DP = 39.9 (14.25), - = 31.9 (12.9)

15 May

1630 P = 1805, G = 1806, DP = 1807

DP = 47.5 (15.65), G = 51.5 (16.1), LP = 48.5 (15.55)

18 May

~~1500~~ 1500

LP 65 18 7.2 5

DP 64 18 8.4 6 3

B 58 17 4 4 1

G 68.5 18.8 8 7.5 2.5

- 53 16.8 3.5 3

Time

Mass

Bill

I'

I'S

T

TS

Ch

20 May

1300

G 72.8 20.35 17 16.7 13.5 8.5 45

- 59.3 18.25 10 - 6 2.5

P 71.1 19.5 15.5 14.5 6 11 42

B 65 18.65 9.8 - 4 9 -

DP 67.9 19.45 17.5 16 12.1 7.2 44.5

21 May

1400

LP 72.2 20.4 20.6 18.3 15.5 8 48 (2)

DP 67.3 20.3 23.3 20.5 15.5 8.3 50 sml

- 61.5 19 13.8 12.5 9.4 4.5 40 s

G 75 21.1 22.6 19.2 16.7 8.5 53 (26g)

B 66 19.5 13.5 - 11.6 6.5 39.5

1990

M. Stanback

3

M. FormicivorusAviaryHNHR

22 May	¹²⁰⁰ DE	65.5	20.5	22.8	28	11.2	18.5	55.5
66.4	(B) 65.8	20	16.2	17.6	7	14	44	
71.4	P 70.5	20.75	21	25.5	10.5	18	52.5	
	G	73	21.8	23	28	10.5	20	58
	-	62.5	19.5	15	18	6.5	12	44.5

[On 20 May, Following weighing, I removed all mealworms & dog food from the aviary. The birds then ate stored dog food (unknown quantity). However, the lack of food did have an impact on nestling growth. This reduced food regime was maintained until 1200

→ today (22 May), when adults were provided with both dog food & mealworms. The adults quickly filled the chicks to satiation, after which I removed all but G and took them to Mill⁽¹³⁰⁰⁾ where they were switched with the 2 possibly doomed kids there (see Walt's notes). These 2 kids were nursed a bit, then added to the aviary nest at 1500. They were doing well at 1900.

23 May ^G 1600 83.6 22.05 24 34 9 24 65.5 (2)

25 May 1600 - 40.4 14.1

Y 31.2 14.45 This baby is starving and looks yellowish. I gave it @ 10 mealworms.

26 May 1300 Fed Y about 10 mealworms. Still not looking great.

1600 - 46.8 (14.9), Y = 32.5 (14.6) then Fed

27 May 1600 - 51.5 (15.6), Y dead → put in Formalin in lab.

28 May 1600 - 57.6 (16.3) ¹⁰ 2, ^{TS} 2.5. Removed stored dog food. Just acorns.

29 May 1600 63.2 17 5.1 4.5

Handwritten title or section header.

Main body of handwritten text, consisting of several paragraphs. The text is very faint and mostly illegible due to the quality of the scan. It appears to be a continuous narrative or report.

1990

M. Stanback

4

M. formicivorus

Aviary

HNHR

30 May	1600	70.2 (17.5)	8.8 (6)	8.5	Removed mealworms
--------	------	-------------	---------	-----	-------------------

31 May	1630	69.5	18.2	13.3	8.5	11.8
--------	------	------	------	------	-----	------

1 June 1615 76 18.5 16.6 16.7 \rightarrow 11.3 15.2

2 1630 77.5 18.75 20 22 1) 18 2 sum

3	1630	81.5	19.33	22.6	27.5	145	22	53.5
---	------	------	-------	------	------	-----	----	------

4	"	84	19.7	26.5	33.5	17.5	25	59
---	---	----	------	------	------	------	----	----

5	"	85	19.85	30	39	19	29	65
---	---	----	-------	----	----	----	----	----

6	1650	83.5	20.4	29.7	45	16.7	32.3	71
---	------	------	------	------	----	------	------	----

7	1630	80.0	21.5	29.3	54.5	19.2	39.7	80
---	------	------	------	------	------	------	------	----

8 1650 81 22.1 26 60.7 16 42 87

20 June	0815	69.5	25.5	100	73	127
---------	------	------	------	-----	----	-----

2 July 0930 3 eggs!

3 July 1100 #4

4 July 13:30 egg #1 - ^{wt.} 5.3g, length 25.75mm, width 19.5mm
egg #2 - ^{wt.} 4.55g, length 26.6mm, width 18.15mm
egg #3 - ^{wt.} 4.75g, length 25.1mm, width 18.8mm
egg #4 - ^{wt.} 5.45g, length 25.8mm, ^{width} 19.85mm

"Mike" 12 July 1930 #2 hatched, 3 hatching
2000 #2 = 3.5 g, #3 = 3.5 g. ~~Kid~~ Kid on nest, had
to be lifted off

13 July 0830 still just 2 hatched

1530 #1 = 5.7, 2 = 5.7, 3 = 5.9, #4 not yet ^{even} at 2030

14 July 0830 #4 = 4 g

1645 $1 = 8.8$, $2 = 8.9$, $3 = 9.1$, $4 = 7.0$

15 July 1540 1 = 9.4 2 = 11.25 3 = 12 4 = 6.5

16 July 1600 14 12.5 11.5 6.1 \rightarrow put in ultracold

N.B. when I arrived (MS) 50 g pesola was not zeroed

1990 M. Stanback

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M. formicivorusAviaryHNHR

17 July	1720	1 = 17	2 = 16	3 = 15	
19 July		O = 22.7 (10.75)	W = 20.5 (10.75)	B = 21.2 (10.65)	
20 July	1730	24.5 (11.25)	21.5 (11.3)	22.25 (11.25)	
21 July	1615	27.2 (12.25)	23.5 (12.1)	20.5 (12.2)	
22 July	1230	26.5 (13.2)	23.5 (12.85)	21 (13.1)	
23 24 July	1830	30 (14)	25.5 (13.65)	24.25 (13.55)	
24 25 July	1745	32 (14.35)	26 (13.95)	24.5 (13.85)	
hub? 25 July	1209	31.5 (15)	24.75 (14.4)	24.5 (14.45)	
"MS" 26 July	1130	36.2 (16.5)	29.8 (15.7)	28.2 (16)	now zeroed correctly
27 July	1230	O = 40.5	17.3	2.5	3
		W	32.75	16.4	2 3
		B	26.4	16.65	then gave 3 syringes of gerbers
28 July	0830	O	42.3	17.9	3.5 3.5
		W	33.7	17.1	2 4 (end of 1° broken)
		B	28.6	17.0	
29 July	0810	Gave "O" 1 syringe, "W" 2 syringes, "B" 3 syringes			Removed almost all the
		O	45.6	18.4	4.5 5
		W	37	17.45	3.5 5.4 dog food, then added
		B	33	17.5	3.4 3.8 acorns
30 July		O	47.7	19.2	6.8 6.8
(0900)		W	38.6	18.0	6 6.4
		B	35.1	18.35	5 5
31 July	0800	O	50.2	19.5	10 11 8.2
		W	40.3	18.6	8.5 8.2
		B	36.2	19	6.5 6.5

1990

M. Stanback

6

M. FormicivorusAviary

1 Aug

09:45 (0845)

			Wt	tail	tail split	tail feather
LB	34.75g	18.85 mm	8.8	8.3		
W	38.5g	18.8 mm	12. mm	7.5 mm	3.0 mm	
O	48.5g	19.5 mm	14.7 mm	9.3 mm	1.45 mm	

2 Aug

B	34.8	19.8	10.8	9		
W	37.8	19.7	11.3	13.8	8.5	12
O	47.8	20.6	16.2	17.2	11	gave em dog food

3 Aug

B	35.4	20	10.5	13	10	
W	38.5	19.8	14.5	17.5	10	14
O	48.8	20.8	19.5	21	14	

4 Aug

B	35.9	21	11.5	16	11.5	+3 syrin
W	37.5	20.1	15	20	11	15.8 "
O	49.2	21.1	19	25	15.5	"

1600-1700 Bled all 5 adults: 51817 = blu, 1777 = $\overline{LGN} = \text{Pnk}$
 1792 = KWN = g, 1782 = RMV = K, 1791 = Pter = 33.3 + meal worms

5 Aug
30.7

O	53.5	21.5	21	30	14	17.5	+2
W	39.75	20.55	15.5	24	13	17.5	+3
B	41.5	21.3	13	19.5	10	13	+3

6 Aug

O	49	22	24	34.5	14	20.5	3
W	36	21	18.5	27	13	19.5	3.5
B	38.8	22	16.5	23.5	12.5	15.5	3.5

7 Aug

O	48.3	22.3	27	38	13	23	66	+1
W	32.9	21.5	21	29	12	22.5	52.5	+5
B	38.5	23.5	16	27	13	17	50	+5

26 Sept

Bled 1817, 1777, 1782, 1791, 1792

1990

M. Stanback

1

M. FormicivorusRANA Aviary = RAVIHNHR

17

17 Feb 1400 Implanted 2 10-~~mm~~^{mm} Testosterone into each of the 6 healthy aviary birds from Rana Creek.
 in I didn't implant ♂ 1788

		ID	Time	Band #	Sex	color band	rump	MD
1	-1	1786	1400	23073	F	W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W W <		

18 Feb 1400 Bled 1785. Noticed a bird hanging out here

19 Feb 0800 3 birds hanging out & vocalizing (I was KNOL)
 Saw ♀ MW here as well, but can't say whether Yorknol

1350 Bled 1786.

20 Feb 1430 " 1789.

21 Feb 0800 Found 1790 dead on leg - hanging by one toe but not stuck. Implants looked OK.

1430 Bled 1783 - bled alot - oops. Implants Fine

22 Feb 1500 Bled ♀ 1787. Didn't check implants.

28 Feb 1340 Bled ♂ 1785

1 Mar 1400 Bled ♀ 1786. 55.5, 54, 50, 54, 51, 54, 54, 51.5 (bled) (LR wing)

2 Mar 1400 Bled 1789. ⁵⁷ Both implants exposed - stitches out
 dry skin around hole. 1785 - implant half out - stitches out

1783 - screamed - missing right implant

1786 - one implant missing - stitches out

1787 - has both implants - stitches out



1990

M. Stanback

2

M. FormicivorusRAVIHNHR

2 March

So... disappointment city. They can pull out their implants. They pick at the stitches, as the skin dries & scabs it can be picked off, leaving the tube exposed. When implants are inserted , the birds can grab an end and pull the tube out - it seems a bit safer to do it the original way , though I guess Ptery managed to get his out (and the Plge bird maybe as well). Time for a new approach. Perhaps at the base of the neck on the back. (Moistened w Orajel)

3 Mar

1400 Bled 1787, still 2 implants.

55.5, 52.5, 55, 55.5, 52, 53, 53, 53

4 Mar

1435 Oops! Bled the wrong bird yesterday, so did 1783 today (screamed again) Hcrit: 55, 51, 53, 51.5, 52.5, 51, 54, 53.5, 52.

10 Mar

1345 Bled 1785. Hcrit: 53.5, 56, 53, 42, 50

11 Mar

1445 Bled 1786. Hcrit: 51, 58, 59, 54.5, 54

12 Mar

1315 Bled 1789. Hcrit: 59, 47, 48, 52, 63 ^{cap rec?}

13 Mar

1230 Bled 1787. Hcrit: 53, 48, 53, 49(48), 50, 53.5, 52 ^{no cap rec}

14 Mar

1400 Bled 1783. (BW) Hcrit: 55, 53.5, 55, 53, 53, 54, 54, 54

22 Mar

1305 Bled 1785 (BW) lost⁽¹⁾ implant. 50, 52, 51

1315

" 1786 (BW) 51.5, 54, 53, 52, 52, 53, 55, 55

24 Mar

1630 Bled 1789 (LW) lost 1 implant, other $\frac{1}{2}$ out. (53, 48)

1645

Bled 1787: 55, 55, 55, 53, 55, 55, 53

28 Mar

1440 Bled 1783^{Scream}. No implants. & 1786 has 1 implant, 1787 has 2. Hcrit 55, 53, 62, 53, 53, 53, 56, 54. This guy

1990 M. Stanback

3

M. Formicivorus

RAVI

HNHR

(28 Mar) bled alot : a whole lot. I hope he'll be OK

26 Apr 1000 Bled 1783 + 1786 → 55, 55 (28.8)

53, 51.5, 50, 50.5, 50, 50, 50.5, 50 (31.9)

1785 = 87 (150) 31.1 (85) : 54, 54, 54

1787 = 57, 52, 50, 50

1789 = 78.5 (146) 32.1 (82) : 56 (58), 55 (57), 55 (58)

28 April 1789 = no implants

4 Mr. One leg (with the world's longest beak) = 76 () 38.6 ()

1785 = 1 implant with hole

1787 = 2 implants 86 (~~88~~) 28.2 ()

1783 = 1 implant 82

1786 = no implants 74

14 May One of the RAVI birds is gone - must've escaped.

3 Oct Moved the 5 Ravi birds into aviary w 1817 (at 1430)

1787 = $\frac{1}{4}$, 1785 = $\frac{1}{9}$, 1789 = $\frac{1}{0}$, 1788 = $\frac{1}{0}$, 1783 = $\frac{1}{0}$

3 Dec 1817 Found dead. Emaciated (but could be post-mortem dehydration), also appears to have been pecked alot on the rump (all white feathers gone and skin appears scarred), but again, this could be post-mortem. ~~Appears to have suffered a broken neck. No~~

22 Mar 1783 82.4 (145) 32.9 (80) "3.5" = 7.9

1785 89 151 33.7 87 9.25

1787 87 148 28.9 85 8.25

1788 78 150 37.2 85 7.6

1789 27.5 153 33.5 87 9.0

NRW
YKN

1991

M. Stanback

4

M. FormicivorusRAVIHIVHR

27 Apr Started them on mealworms

28 Apr One of the thermocouples has been pulled away from the log & the coating stripped from the wire. I fixed it.

29 Apr The whole thermocouple's gone!

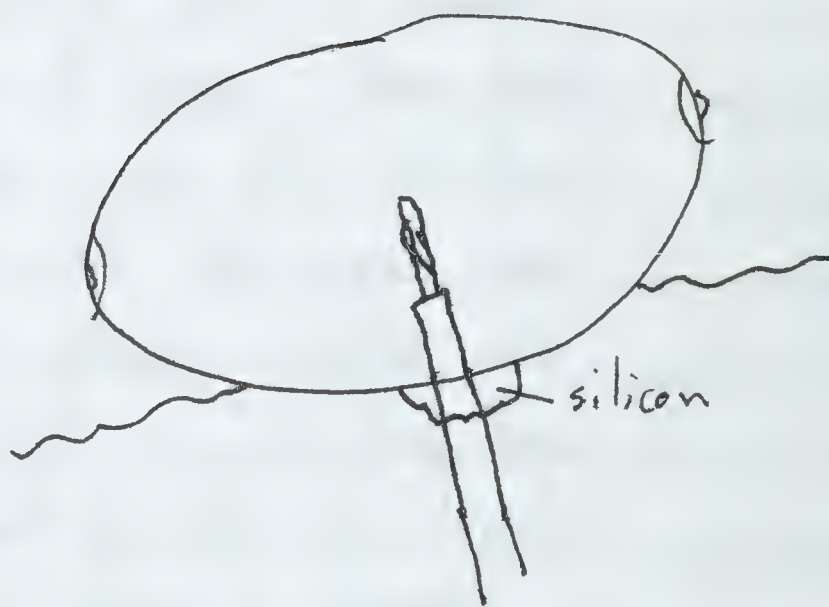
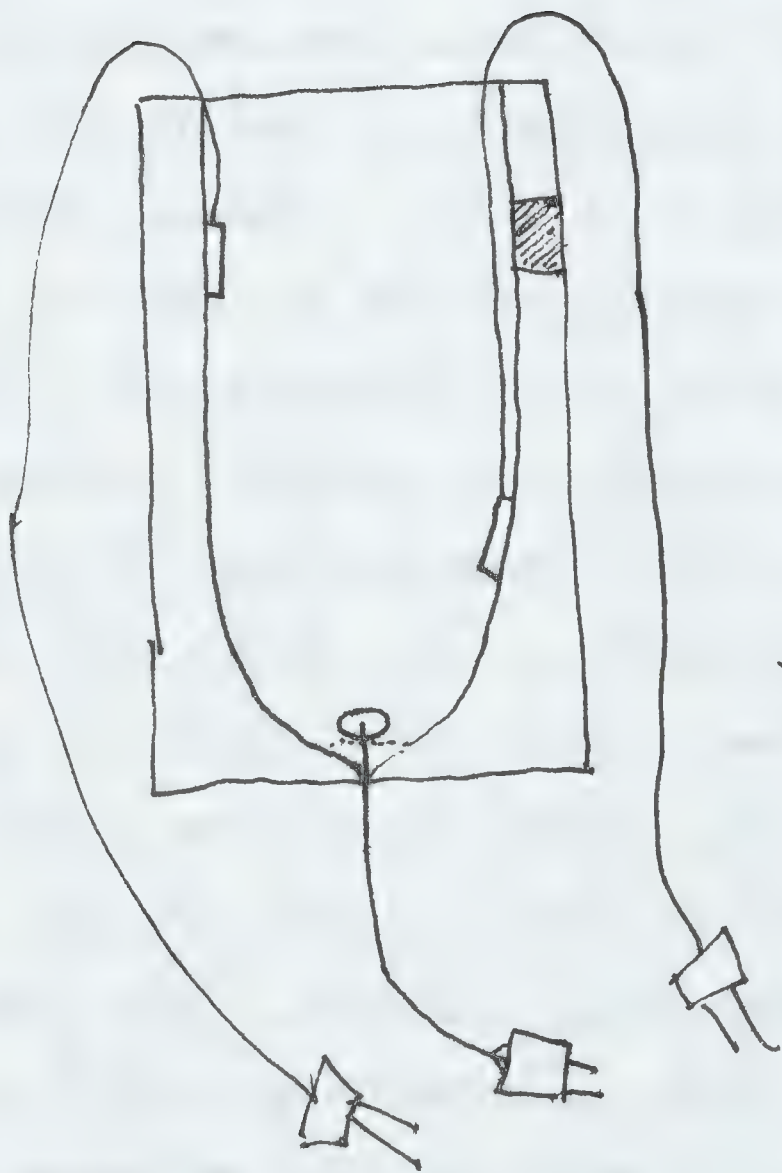
30 Apr Put some fresh chips & an egg in at 0800. (Tossed!)

12 May After tossing-experiment-photo attempts, they lay today in the right hand log. (am mealworms) + acorns

1630 Begin the grand experiment. I took an old egg, cleaned it out, filled w chicken albumin, sealed both ends, took to aviary, drilled a hole in the side of the egg, stuck in a thermocouple (this was done at the cavity - a potential problem - the silicon really didn't have a chance to dry) → and put it in the cavity. The birds had drilled clear to the bottom, so I didn't have to make a tunnel. I sealed the tunnel w silicon (bad idea - need to redo w DAP or tape) I put the egg in a drawer in the new lab. Before this manipulation Roger and the 2 high thermocouples did a 2+ hr watch here. I more canister mealworms in pm

13 May 0800 New egg and thermocouple came out of old egg. I disconnect tc and take it to the lab, where I implant it into yesterday's egg - this time with lots of silicon seal. Put in drying oven at 100°F at 0900. Gave birds their am mealworms at 0800. 1400 Removed the chicken egg.

1600-1630 Put in tc egg. Online at 1630. TC egg is warm



1991

M. Stanback

5

M. FormicivorusRAVIHNHR

(13 May) because its been in the drying oven all day at 100°F.

14 May 0800 Damn. Didn't lay an egg (no bird in hole on arrival. I knew I shouldn't have pulled the egg.

Added mealworms & prayed

0930 New egg, but the t.c. out of the egg.

15 May 1000 No new egg, but birds in hole

16 May 1000 " , so I pull the silicon egg & put in the one that was in the aviary. I pull off excess silicon, reglued the hole, let it dry, & returned to nest at 1145.

27 May 1045 The 1 kid weighs 7g, other eggs inf.

28 May? 1 other egg hatched!

28 May Put Mt Ham runt in w 2 Ravi kids

29 May 0700 Put Gate runt in w 2 Ravi kids & Mt Ham runt. I fed the 2 Ravi kids. To farm out or let die - that is question. I ran out of day before I could farm to KONT. Just let 'em die (see if they eat!)

30 May 1500 The little guys gone. Searched high & low & no sign. Yum-yum, eat 'em up (Uncle George)

2 June 1900 W=56.3, 17.0, b=1°, 3: tail (From Gate). The Mt Ham kid doing poorly: 31g, 15.3, 1°=4, T=6.5

3 June 1900 . 61, 17.5, 9, 5.5 // 29.5, 15.6, 5, 7

4 June 1800 65, 17.8, 11.2, 6.8 // Have been feeding runt all day.

5 June 1000 Put runt in KONT (see KONT notes)

20 June 91
~~888~~ ~~888~~

701 start

702 R in

~~703 2 R in~~

707 R HO 30 sec

709 B in, R out

711 1 min HO

716 1 min

720 ♀ look in + away

721 B HO 2 min

726 B HO 1 min

728 B HO

739 B BD

742 HO

745 BD

745 ♀ + R arrive, B HO
♀ leave, R follow

746 B BD

747 B HO

755 BD

758 HO

803 BD

805 ♀ arrive

805 30 ♀ in, B HO

807 R arrive, B leave

808 30 R in, ♀ out, ♀

809 R HO 30 sec, ① arrive (R chatters, leaves)

810 ① in

812 HO 30 sec

818 " "

820 " "

823 R at old hole

824 30 ♀ arr.

825 ♀ in, R to hole

825 30 ① to hole, R chatter, ① leave

826 30 R in, ♀ out

827 R HO 30 sec

828 40 ① land, R leave

(B stripe) 2 legs 829 30 ① in

830 30 B land w food

831 B in + HO

839 B BD

840 ① HO r out, ♀ land

840 40 ♀ in

842 B HO

844 R arr (chatter)

845 15 R leave

845 45 R arr

846 R leave

846 30 B BD, R arr

847 30 B HO, R chatt + away

848 R arr

849 R away

849 45 R arrive

850 00 R away

852 R arrive, ~~B + HO~~

852 50 R away

855 R arrive

857 R away

858 R old nest

858 30 R arrive

8900 R vocal, leaves

8900 15 R arr, sticks head in, B pecks, B HO
901 30 R leave / 903 end

1991 M. Stanback

6

M. Formicivorus

RAVI

HNHR

5 June 1630 Chick weighs 66

1645 Bled Female. See cap rec^{rs}

6 June 1900. 70.5^m, 18.85^{cul}, 16.5¹⁵, 18.7¹, 11, 14, ch = 44

7 June Took kid to Pipe

19 June 1100 2 Fresh eggs. Time to bleed

Blood 1 one leg = paint K = 1788

2 RO = GR = 1789

3 ♀ = G = 1787 ?

4 GG = B = 1785

5 WO (scream) = R = 1783

20 June 0700 Started video of nest. Nest has 3 eggs

21 June I decide to bite the bullet & try cloacal lavage on these guys. It's a bust. Damn. The water goes in, but just doesn't come out again.

21 June
 0940 start
 943 R in
 949 R HO 20s
 951 ① land, R leave, ① in
 954 30 ① HO
 955 30 BD
 1000 30 ♀ l
 1000 ♀ in, follow by R
 1001 30 R away
 1001 45 R arr
 1002 R away
 1004 R arr, ♀ HO, ♀ leave
 1004.10 R Follow, ① HO, BD
 1012 ♀ ll
 1013 ♀ in, R to hole, head in
 chatters, ① HO & leave
 1013 30 R & into old hole
 1014 R in, ♀ HO, ♀ out, R HO
 ♀ to old nest
 1015 ♀ into old nest, R BD
 1015 30 R HO^{15s}, ♀ HO
 ② in route
 1023 R HO 30s
 1033 R HO, ♀ HO
 1033 20 ♀ out
 1033 25 R follow
 1034 30 ① in
 1035 15 B w dog food
 1036 ♀ to old nest
 1036 30 B away, ① HO
 1037 ① BD
 1038 ♀ in old, R land at old
 after she goes in
 1040 B arr
 1041 B in, ♀ HO (R near)
 1042 ① HO
 1043 ① out, B HO, ① to old nest

1044 ① - R interacting?
 1045 B BD
 1047 B HO
 1049 BD
 1052 30 B HO
 ♀ still in nest, R back
 1058 R away, ~~near~~
 1100 B BD (R in hole)
 1100 20 B HO
 1101 R to ^{near} old (where 1043)
 1111 R getting pecked by ? (♀, then ♂?), B BD
 1111 30 R on top old, away
 1113 B HO (chattering: R vs ①?)
 1115 R has been close
 1115 30 R to new nest, chatter, B HO
 1116 R into old w ♀, chatter
 1119 R & R leave old, B BD
 1119 50 ♀ out old, R HO old
 1120 R out old
 1121 R & R into old
 1124 B HO 1 min
 1126 B HO 1 min
 1131 B HO
 1136 B BD
 1140 HO
1141 BD

RAVI

20 June 1150 - 1350 Video watch, but the bugger clock wasn't on!

~~R, (R), (1), ♀, (♀)~~ when R arrives, ♀ into other hole, R follows after 1 min (to other hole: she inside, R outside) → he eventually goes in after her

B to hole, (1) out, B in, ♀ ar, ♀ in, R follow 10 sec later, R in, ♀ out, R HO & out after 10 sec, B still in, ♀ in, R follow after 15 sec, B HO, R chatters, goes in, chatters, ... R out

22 June Hey, they did lay a 4th egg

26 June Back to 3 eggs. One had been broken and splattered (no evidence except yolk splattered)

21 June
0600-0800

60215 R in

61200 ① ar, R out

61230 ① in

61900 ♀ in

632 R ar, ♀ HO

63215 ♀ out

63225 R Follow

634 ① HO 1min

637 ① HO

64410 ♀ ar

64420 ♀ in, ① HO out

64450 R ar

64510 R in, ♀ out

647 B ar, R out, B in

650 B HO 30's

659 B HO 3m

705 R ar, B HO, R leave

708 B BD

70930 ♀ ar & in

711 R ar, B HO

71130 R away

713 B BD

71330 R ~~away~~ ar

71630 R away

717 B HO

73330 R land, chatter, leave

73545 R lch

73730 BBD, R away

738 R in, ♀ HO

73830 ♀ out, R HO

74120 R out, B HO

743 B BD

75030 ♀ ar, B HO,
B out, ♀ in

751 ① land,

75245 ① in

753 ♀ HO 30's

759 ♀ HO 30's

800 ① HO 1min

21 June

1000-1200 Forget to hit clock switch
will work by counter

150 R in

950 L ar, R out

990 L in

1500 ♀

1520 ♀ in

1590 L HO

1640 L D

1700 L HO

2100 R ar

2160 R away

2305 L out

2330 R ar

2335 ♀ HO, BD

2370 R in, ♀ out

2630 L ar

2660 L in

bag the HO stuff

3170 ♀ ar, leave

3310 ♀ in

3330 L out

3410 R in

3820 R out

3870 GR ar, ♀ out

3890 in

3980 R ar, chatter, lv

4050 B land, GR out, B in

4170 L HO 30's

4470 L HO forget HO

~~4520~~

4645 R land, chatter, B HO, R leave

4815 L land, B HO, L away

5300 L lll, B HO

5690 ♀ land, B HO

5720 B pecks ♀, ♀ leave

5775 ♀ ar, in, B HO

5800 STOP

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Malaise Trap

HNHR

5 Apr		First Full day of lowered jar
6 Apr	0800	5 tipulids in net, 1 stuffed by me into jar (along w/ h. fly)
7 Apr	0800	3 tipulids in net
8 Apr	0800	4 tipulids
9 Apr	0800	0 tipulids (didn't check low in net)
10 Apr	0630	3 tipulids (all low in net)
11 Apr	0630	17 tipulids (put a dead one in the killing jar)
12 Apr	0800	5 tipulids
13 Apr	0630	6
14 Apr	0800	3
15 Apr	0800	0
16 Apr	0700	0
17 Apr	0700	0
18 Apr		—
19 Apr	0630	3
20 Apr	0630	8
21 Apr	0700	3
22 Apr		
23 Apr	1900	0 (1 Fly + an earwig in jar)
24 Apr	1900	0 tipulids in net, 0 bugs in jar!
25 Apr		" "
26 Apr	pm	1 tipulid
30 Apr	am	2 tipulid
1 May		1 tip
2 May	am	1 tip
3 May	am	2 tip

Bian
 chgo
 CVI

inc	4	+ 2 CVGR = 6
412	4	+ 2 CVI = 6
413	4	+ 2 CVGR = 6
411		

Bian 12.9 B, LW = 11.9
 7.5 RW, RL
 6.8 Head
 5.5 new B Blm 1?
 6.0 new (T) chgo?

23 24 25 26 27
 2 (4) (2) (2)

1989

M. Stanback

1

Species AccountsHVHR

8 Jan Thrashers singing

22 Jan Allen's hummer : Red House

3 Feb Golden Eagle : Blm 2

5 Feb Bobcat : Central Canyon

9 Feb Badger ! Knoll. Rather tame

9 Feb Bobcat : Y

21 Feb A Red House ♂ Anna's has messed up lower bill

21 Feb Allen's hummer : Red House

22 Feb heard turkey, found shooting star, popcorn flower
sharptail snake

26 Feb (Violet-green?) swallows at Blm Pond. Rufous hum - Red House

14 Mar W. Flycatcher (near Red House) (I've been gone 1 week)

Titmice copulating and nest building in box in front of Red House

20 Mar Golden Eagle : Blm 1 (at 0630 and at 1000)

20 Mar Kingsnake : cabin

21 Mar Turkeys seen : Y

Golden Eagle = Arnold

23 Mar Griffiths pears start flowering. Oaks starting to leaf.

29 Mar Racer : pump (dead)

30 Mar Alligator Lizard : BKOK , Face flies [1st ACW egg - cv2
17 Mar in 1988]

31 Mar Sapsucker twice chased Anna's hummer from (sap holes) : moan.

2 Apr Courting Cooper's Hawks tween PLQE & PLAN. Black-chin.

3 Apr

2 Golden eagles : BUCK

4 Apr last day malaise funnel high in net. Lowered it 2" on 5 Apr am.

9 Apr Rattlesnake : Chongo : 1st of year

10 Apr " : Red House (Daniela saw)

Crematoph

1991

1. The first part of the report is devoted to a general description of the project and its objectives. It also includes a brief history of the project and a list of the people who have been involved in it.

2. The second part of the report describes the methods used in the project. This includes a description of the data collection methods, the statistical methods used to analyze the data, and the methods used to test the hypotheses.

3. The third part of the report presents the results of the project. This includes a description of the data, the results of the statistical analysis, and the results of the hypothesis testing.

4. The fourth part of the report discusses the conclusions of the project. This includes a summary of the findings, a discussion of the implications of the findings, and a list of recommendations for future research.

5. The fifth part of the report is a bibliography of the references used in the project.

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Species AccountsHNHR

11 Apr Alligator lizard: Arnold (box 264) biggest I've ever seen

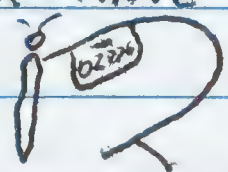
Measure: SVL: 13.1 cm, total length: 25.6 cm

12 Apr Western Tanager: CV2 [Horned Lizard: Red House]

Junco nest w eggs: CV2 (towards Dark) ^{missing toes on left hand}

13 Apr 1530: Road 1: Monarch butterfly w/ tag # 02776.

The tag was white and there looked to be some tiny letters above it.

 The numbers were on the dorsal side of the wing.

[A total of 4 rattlesnakes have been seen by various people on Hastings in the last several days]

15 Apr Western Flycatchers nest building on Red House Porch.

19 Apr Everything is Flycatching: ACW's, magpies, starlings.

skunk at S₂ chair flt I infected the Laguna Conejo trough w 7 Gambusia, the windmill slough w 5, 3 in Blm Pond (it better dry up)

20 Apr 0651 I heard a tree fall somewhere near the pump. ^{dearrrr calm} Flycatchers on Red House porch lay 1st egg (like last yr!)

22 Egg # 2 (skipped a day)

23 Egg # 3

24 Egg # 4 (finally saw a bird)

27 Apr Dragonfly at Plge.

28 Apr Skunk at CV1 at 1645

29 Apr 4 W. Kingbirds at CV2 (peaceable)

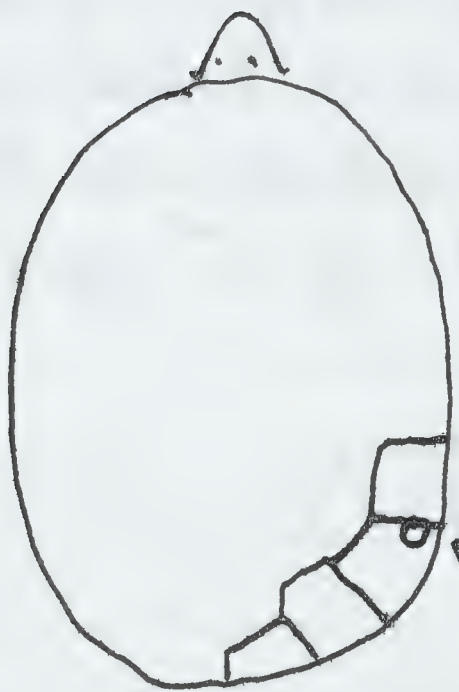
2 May Fawn! at Horsetail (also an ACW there 0845)

Golden Eagle: Plge (pm)

3 May Golden Eagle: Knol - landed in mistletoe dump (pie nest)

6 May Monarch w tag: Arnold

8 May 1700 Turtle: 1/2 way between crossing & gate. See other side for marking.



Dorsal View

slightly concave
belly

small round hole
thru "plastron?"

1989

M. Stanback

3

Species AccountsHNHR

15 May 1445 Very large gopher snake in perennial grass clump at base of Haystack. No sign of surgical scar. I snipped triangles in 3 belly scales anterior to vent ~~|||||~~

1512 Big healthy valley oak falls at Laguna Conejo.

16 May Those wierd poppies: UA2 (mariposa lillies?)

19 May pm 13 swifts flew by (heading N) at Blm 1

24 May 0940 At lab. I noticed a scrub jay and a woodpecker interacting outside the lab window. I look out and see the jay killing a towhee chick. After several seconds the jay flew off with the baby, pursued by 2 ACW's. Were they "protecting/mobbing" or trying to steal/eat the towhee. No adults ^{towhees} in sight.

0700 (9?) skunk and 3 babies - horse ranch

26 May 0800 W. Flycatchers Fledge from Red House Porch (3)

1 Jun 3 tipulids in malaise trap net.

Matilla poppies blooming at Griffin's

Blm pond pretty much dried up (hastened by cattle). The few puddles remaining are full of doomed tadpoles.

2 June 5 tipulids in net. Baby turkey: Y

4 June Egg #1 in W. Flycatcher nest on Red House Porch.

5 June ♂ Phainopepla: CV road at FRSR.

6 June Though they're blooming, the buckeyes on Haystack are brown
Egg #2. She's starting to incubate. (Total eggs)

13 June 5 tipulids lab. email

16 June Young grosbeaks out

19 June Lane at 1800: Fawn (with mom) with face that has been badly mauled. Whole left side of head a swollen mass. Snout is one big scab.

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Species Accounts

HNHR

- 20 Jun 5 tipulids, makise bottle fell out sometime 2-day
- 21 Jun 2-3 tips, Jackrabbit at aviary! (am). Again (later am)
- 30 Jun Tarantula: on cv Road tween Hastings & Arroyo Seco
- 2 July Rattlesnake: big: on lane at Knoll (by spider tree)
Lower barn trough Gambusia extinct.
1600: ≥ 25 magpies at Blm pond
- 3 July Caught banded scrub jay at Walt's Feeder. #1023-08125
- 6 July 0730 I plugged up all but 2 holes at my hummer Feeding station. It seems Ewald's ~~experiments~~ experiments are being screwed up by my food giveaway program. It breaks my heart though. They're my pets.
pm: 1 young Flycatcher out on the rafter - Fledge time!
- 7 July Red House W. Flycatchers all Fledged.
- 8 July Baby (new) quail & baby (new) brown ~~to~~ towhee
Rufous hummer (♂) at Walt's Feeder
Laguna Conejo is dry.
- 15 July Heard olive-sided Flycatcher at KOUT. Haven't heard an oriole in @ 1 wk.
- 26 July ⁰⁵¹⁵ Kingfisher at Plge (Flew off toward Y) Also heard today: Ash throated FC, W. FC.
- 20 Aug Golden Eagle (youngish) ~~at~~ Haystack summit.
Pier hanging around Hastings.
- 11 Sept Jackrabbit: Red House (W. Flycatcher dead)
- 20 Sept Swallows (V&?, Tr?) at CV1
- 16 Sept Rain: Tarecha on lane
- 22 Sept Swallows, head Frog, saw toad, Say's Phoebe on Haystack
- 24 Sept Golden Eagle, Redbreasted Sapsucker

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5

Species AccountsHNHR

25 Sept Turkeys on Haystack

29 Sept Rain again yesterday - lotsa termites emerging 2:day

11 Oct Acorn trip to Pozo, CA (near Atascadero). Saw several Lewis's Woodpeckers and a huge acorn crop (Blue + Valley oak) and ... a nest of baby Acorn Woodpeckers! (Walt reports a Lewis WP at the Kuo! on 9 Oct)

26 Oct
1st Frost

4 Nov Mockingbird at lab - chased by Scrub jays + ACW's.

15 Nov Thrashers have been singing.

17 Nov am, Red House - I'm pretty sure I heard a Varied Thrush.

1990

M. Stanback

1

Species Accounts

- 6 Jan Baby blue eyes on Poison Oak Hill
- 19 Jan 6 turkeys in Gate Field Ravine
- 23 Jan Band tail pigeons on Hastings
- 18 Feb 6 magpies between lower barn & office (all day)
- Golden Eagle at MuirF: did a complete roll to avoid RTH
- 23 Feb Rufous hummer at Red House Feeder. Female Anna's have been showing up in numbers over this past week. Also I've heard a few Varied Thrushes, but haven't seen any yet.
- 8 Mar Multiple ♂ and ♀ Rufous Hummers at Red House Feeder. Allen's ♂
- 14 Mar Swallows, Gnatcatchers
- 17 Mar Western Flycatcher heard at Red House
- 20 Mar Jackrabbit at Buckeye
- 25 Mar First Oriole! ♂ at CVette
- 1-8 Apr I was in Seattle, but black chinneds arrived, 2 rattlesnakes.
- 10 Apr Gopher snake (11 April King Snake)
- 17 Apr Turtle: Found it heading N, $\frac{1}{2}$ way between gate & crossing. Same one as in 1988 ^{hole drilled}
- 22 Apr W. Flycatchers lay 1st egg on porch (2 days late!)
- 23 Apr No egg today
- 24 Apr Egg # 2
- 25 Apr Egg # 3
- 30 Apr Pheasant ♂ at CV Gate. Black-shouldered kite over Gate Field Ravine
- 2 May W tanager at BKOK, Mtn quail on lane
- 3 May ♂ Pheasant at CV1
- 8 May After sev days at CV, pheasant is ^{suddenly} now hanging out at Walts! ^{as of today}

1990

M. Stauback

2


Species Accounts

- 15 May Prairie Falcon: Blm 1 (hanging out in CECN tree)
- 18 May Screech owl (I think) nest (?) in R. Mum low hole.
- 22 May Kite: Corral Viejo, Fawns reported.
- 25 May Baby Quail! (See Mike)
- 7 June W Flycatchers lay egg #1 on porch
- 9 June " " #2 The birds at Walts have another clutch of 4. (These guys just laid 3 again)
- 16 June Ringtails spotted on 2 separate occasions sometime in here.
- 24 June Red House W Flycats hatching
- 25 June Roadrunner on lane.
- 26 June Pair of barn swallows w 1 ~~chick~~ juv at aviary (nest here?)
- 1 July It doesn't count, but I saw an Andean Condor near Pyramid Lake, (Los) Angeles National Forest.
- 12 Oct 0800 At least 6 mountain quail in front yard of Red House
- 21 Nov 0930 Townsend's Solitaire at Red House. Positive ID by NJP (close range)

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Species Accounts

- 4 Feb Allen's
8 Mar Rufous hummer
12 Mar Sharp tail Snake : Bunkhouse
16 Mar Road runner : Aviary - Red House
~1 Apr Orioles, W. Flycatchers arrive
7 Apr Black-chinned hummer
16 Apr 7 bluebirds at box 329. Ash-throated Flycatcher.
19 Apr Grosbeaks on road.
20 Apr 2 bandtail pigeons fly over road toward Arnold.
21 Apr W. Flycatcher on the rafters
1400. Pair of Golden eagles flying together, vocalizing (LHay)
23 Apr 1145. ~~New~~ ^{9^{AW}} spent 5 mins on hummer feeder (Red House)
30 Apr 0745 Jenella's malaise trap had collapsed, so I put it up again & emptied contents (Fresh start). There are zillions of tipulids up here.
(28 Apr) The snow patch on Chew's Ridge is Finally gone (there 2mo)
30 Apr Olive-sided Flycatchers, Lazuli buntings (BKOK)
4 May Shrike at W. at (hey, where are bk photos?)
5 May Dung beetle pushing a dung ball  Blm Pond.
9 May W. Kingbird: CECV, Barn Swallows Lago C. Fawn!
12 May Green-backed heron: Lago C. (dike box w/bb, Blm2 ^{box} needs ant
Rattlesnake (big!) at Griffiths. Roger reports baby mallards (10) at Gazo pond.
19 May ♂ Phainopepla at Plge
22 May Peregrine Falcon (!) at Big Sur (near Big Creek)
Poor-will foraging on Griffin-Koenig path (1945)
27 May 2 eggs in W. Flycatcher nest on red house porch.
28 May Lewis woodpecker hunting E of Mt Hamilton near Fanny's Ranch. Everything nesting! Stole

1991

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2

Species Accounts

~~1027 ♂ IB~~~~1795 ♂ H~~~~1796 ♂ H~~~~1798 ♂ H~~~~1799 ♂ H~~

(28 May) 4 nests of *A. lewis* chicks (8 kids) + 1 set of ACW's. Saw lots of everything. Phainopeplas, ravens, W. Kingbirds, baby woodpeckers, etc. An incredible day. My first horned lark!

8 June Turkey nest at LHay - 12 eggs. Flushed ♀.

13 June Matilla poppies finally start blooming at Griffiths.

9 July ⁰⁸³⁰ Coopers hawk (♂?) rumaging through locust at barn upsetting Brewers blackbirds. I flushed him + he left carrying a small item (Bbb chick?).

- Red house W. Flycatchers lay 1st egg of 2nd clutch
0936 As I leave the barn area, I hear a baby ACW screaming. Cooper's hawk flew off with it (see Y notes)

* As I leave again, I notice ground squirrels going nuts. Badger! He trots about 50 m uphill toward the lone oak N of the barn. At the oak he disappears. When I first noticed, there were ≥ 6 ground squirrels standing together meerkat style under that oak. They all went under on his approach. After badger disappeared, I scanned the area (bordered by road, fence, orchard) + counted 48 squirrels. All very still, standing tall, in

1991

M. Stanback

3

Species Accounts

HNHR

(9 July) groups of 1 - 8 individuals. Vocalizations were !, !!, and !!!!!. I wish I had paid more attention to the vocalizations. Sorry Morné.

31 July Put fresh road kill TUVU (TV) [Turkey Vulture already] in Red House Yard (got cooties in the process) to see if I can induce cannibalism

2 Aug 1200 About 10 TV's circling low above corpse. I don't think any landed (I checked every 10 mins for an hour) They just sort of left.

11 Aug am W. Flycatchers on Red House porch Fledged (late!) ^{wow!}



K&M Company
TORRANCE, CA 90503

K39-10

